

Flooring Systems

CI/SfB

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February 2013
Product Selector

**LEVELLING
COMPOUNDS**

SCREEDS

**DAMP PROOF
MEMBRANES**

**FLOORCOVERING
ADHESIVES**

**PENETRATING
SCREED
RENOVATION
SYSTEM**

PRIMERS

**PRODUCT
SELECTOR GUIDE**

SYSTEM DIAGRAMS



SYSTEMARDEX
PREMIUM PERFORMANCE





Primers, Admixes and DPMs

ARDEX R 3 E
ARDEX R 5 E
ARDEX R 6 E
ARDEX P 4
ARDEX P 51
ARDEX P 82

ARDEX E 25
ARDEX E 100
ARDEX EP 2000

ARDEX DGR

Penetrating Screed Renovation System

ARDEX PSRS

Surface Damp Proof Membranes

ARDEX DPM
ARDEX DPM 1 C
ARDEX DPM 1 C R



Fast Track Floor Screeds

ARDEX A 35
ARDEX A 35 MIX
ARDEX A 38
ARDEX A 23

ARDEX Aggregates

ARDEX Coarse Aggregate
ARDEX Fine Aggregate



Levelling and Smoothing Compounds

ARDITEX NA
ARDITEX RS PLUS
ARDITEX

ARDEX K 11
ARDEX K 15 NEW
ARDEX K 15-HB
ARDEX FA 20
ARDEX A 55
ARDEX K 80
ARDEX SD-T B

Repair Mortars

ARDEX ARDURAPID A 45
ARDEX A 46
ARDEX FEATHER FINISH

Concrete Resurfacer

ARDEX K 301



ARDEX flooring products are designed to work together for total peace of mind. Each product is the result of research and development with the help of contractors, specifiers, manufacturers and clients to ensure product compatibility and market leading performance.

We call this SYSTEMARDEX – **A system of high quality, compatible products matched to unparalleled technical and field support.**



CONTENTS

page

Case Studies	4 – 5, 28
Sub-Floor Preparation	6 – 7
Levelling & Smoothing Compounds	8 – 12
Patching & Repair Mortars	12 – 13
Fast Track Floor Screeds	14 – 16
Fast Track Concrete Toppings	17
Concrete Resurfacer	18
Surface Damp Proof Membranes	19 – 20
Penetrating Screed Renovation System	21
Primers, Admixes & Ancilliaries	22 – 25
ARDEX Product Selector	26
Thickness & Coverage Guide	27
ARDEX Floorcovering Adhesives	29 – 37
Floorcovering Adhesives Usage Guide	32
Floorcovering Adhesives Sub-Floor Guide	33
ARDEX Flooring Systems Selector Guide	38
ARDEX Flooring Systems	39 – 64
British Standards	65
ARDEX Technical Services, ARDEX Online	66
Notes page	67



Floorcovering Adhesives

ARDEX AF 100
 ARDEX AF 150
 ARDEX AF 650
 ARDEX AF 700
 ARDEX AF 890
 ARDEX AF 2300
 ARDEX AF 2510
 ARDEX AF 3000



Heathrow Terminal 1

Contractor: Loughton Contracts
Products used: ARDITEX NA, ARDEX AF 2300



Bede Academy

Contractor: Sandafloor Ltd
Products used: ARDEX DPM 1 C, ARDITEX RS PLUS



Smyths Toys Superstores

Contractor: Hull Flooring
Products used: ARDEX K 11, ARDEX AF 100



SCATS Countrystore

Contractor: D. Kelleher Flooring
Products used: ARDEX DPM 1 C, ARDEX P 82 Primer, ARDEX K 11, ARDEX AF 100



The Royal Albert Hall

Contractor: East West Flooring
Products used: ARDITEX NA, ARDEX AF 2300



The National Gallery

Contractor: Specialist Screeding Solutions Ltd
Products used: ARDEX A 35, ARDEX K 15-HB



North Manchester General Hospital

Contractor: PCS Flooring
Products used: ARDEX DPM 1 C, ARDEX P 82 Primer, ARDEX K 11, ARDEX AF 100



John Lewis

Contractor: PCS Flooring
Products used: ARDEX K 15 NEW, ARDEX K 15 HB, ARDEX FEATHER FINISH, ARDEX DPM ARDEX AF 100, ARDEX AF 650, ARDEX AF 890



Sub-floor smoothing compounds, or underlayments, are cement-based materials that are generally fluid during application. They set and harden to form a hard, absorbent, smooth surface suitable to receive floorcoverings. They can be used to smooth out imperfections in a sub-floor which would otherwise be mirrored through the final floor finish. They may also be used as a

thin screed, by the addition of aggregate, to provide a flat floor where the necessary thickness for a conventional cement and sand screed is not available. There are two main types of underlayment; powder and water-based, or powder and latex/emulsion-based compounds.



SYSTEMARDEX
PREMIUM PERFORMANCE

A system of high quality, totally compatible products matched to unparalleled technical and field support.

A GENERAL INTRODUCTION TO FLOOR PREPARATION PRIOR TO THE INSTALLATION OF FLOORCOVERINGS

BS 8203: 2001 + A1: 2009

3.1.1 Damp-proofing solid floors

As the floorcoverings, adhesives and smoothing compounds may be adversely affected by moisture, sub-floors should be so constructed as to protect the floorcovering installation from moisture or water vapour from the ground.

Materials and methods for damp-proofing solid floors are described in CP 102 and BS 8102 and it should not be assumed that existing ground-supported concrete floors are adequately damp-proofed. Where existing structures do not incorporate adequate moisture protection, proprietary surface applied membranes or mastic asphalt should be used. Integral waterproofers incorporated in the concrete or screed will not provide adequate damp protection for the floorcoverings and will retard the drying process. Beam and block construction floors, whether finished with cement/sand or particle board, should incorporate a vapour control layer.

3.1.2 Eliminating construction moisture

Before floorcovering installation, it is necessary not only to ensure that the floor is constructed to prevent moisture reaching the floorcoverings from the ground, but to ensure that sufficient construction water is eliminated. Usually the floorcovering is fixed directly on to the concrete base slab or onto a screed laid above this. In either case the amount of water used is more than that required for hydration of any cement because the extra water is required to give adequate workability to the mix. It is essential that this extra water be allowed to evaporate and the time for this to happen should be taken into

account at the planning stage. Estimated drying times are necessarily only approximate as drying is influenced by ambient conditions, the concrete used, thickness and surface finish. Thickness and surface finish are particularly important.

For cement/sand screeds laid directly over a damp proof membrane, one day should be allowed for each millimetre of thickness for the first 50mm, followed by an increasing time for each millimetre above this thickness. It is thus reasonable to expect a screed 50mm thick under good drying conditions, to be sufficiently dry in 2 months.

For thick concrete bases laid directly over a damp proof membrane longer drying times are required. The time/thickness relationship used to predict the drying time of cement(s) and screeds does not apply to concrete bases. In practice it has been found that even under good drying conditions concrete bases 150mm thick often take more than one year to dry from one face only. Moderate and heavy use of power-float and power-trowel finishing methods further delays drying.

Suspended concrete bases laid onto permanent metal shuttering or other impermeable materials will have similar drying times to those laid over damp proof membranes. For slabs which can dry from both sides, about half the thickness can be considered to dry downwards.

Where screeds are laid directly onto the concrete bases, without a damp proof membrane between them, account should be taken of the time required to dry the total thickness of the construction.

Commonly, where floorcoverings are to be laid and the time schedules do not permit extended drying times for concrete bases, the use of sandwich damp proof membranes between the base concrete and the screed significantly reduces the time that needs to be allowed for drying.

ARDEX rapid drying cement-based systems are frequently used to produce rapid drying screeds which can reduce the timescales from months and years down to days or even hours.

3.1.3 Protection against construction moisture

Where time scales do not allow sufficient drying times and the use of a sandwich damp proof membrane is inappropriate, the need for a surface damp proof membrane to control the excess construction moisture in the sub-floor should be taken into account at the design stage. Please refer to the ARDEX DPM, ARDEX DPM 1 C and ARDEX DPM 1 C R data sheets for more information.

3.1.4 Testing

Cementitious sub-floors should be tested by the method described in Annex A and the floorcovering not laid until readings have been obtained which indicate a relative humidity of 75% or less.

Independent studies have shown that a non-invasive test of the type described in Annex A is the only suitable method relevant for use in conjunction with installation of resilient floorcoverings.



The ARDITEX range of latex levelling and smoothing compounds offer the professional flooring contractor market leading performance and unique application and performance benefits that virtually eliminate installation risk.

ARDITEX NA

Ultra Rapid Setting, Ammonia Free Sub-Floor Levelling and Smoothing Compound



ARDITEX NA's market leading properties ensure that it can be used with confidence over virtually any substrate such as old adhesive residues, including bitumen, and even ceramic tiling. Suitable to receive floorcoverings after only 4 hours, ARDITEX NA can also be used under a DPM. ARDITEX NA can be applied up to 30mm with the inclusion of ARDEX Coarse Aggregate, and has excellent flow properties.

- Application Thickness:** Total: 1.5 - 30mm
Neat: 1.5 - 12mm
With Aggregate: 8 - 30mm.
Use up to an equal volume of ARDEX Coarse Aggregate to the ARDITEX NA mix.
- Working Time:** Approximately 20 mins at 20°C
- Walkable:** Approximately 2 hours at 20°C
- Fix Ceramics:** 4 - 6 hours at 20°C
- Compressive Strength:** 16.5 N/mm² (28 day)
- Apply Floorcoverings:** 4 hours (3mm) at 20°C
- External Use:** No
- Under DPM:** Yes
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface one unit will cover approximately 5.2m² at 3mm thick.
- Material Requirement:** 1.6kg of mortar/m²/mm
- Packaging:** Available in 20kg bags with 4.85kg latex liquid.
- Storage:** ARDITEX NA powder has a storage life of 12 months if stored in dry conditions.
ARDITEX NA latex has a storage life of six months in a sealed container if stored in frost free conditions, out of direct sunlight.

ARDITEX RS PLUS

Rapid Setting, Ammonia Free Sub-Floor Levelling and Smoothing Compound



Floorcoverings can be applied after only 6 hours, ARDITEX RS PLUS is suitable for use over traces of most old adhesive residues and can be used under a DPM. ARDITEX RS PLUS can be applied up to 12mm with the inclusion of ARDEX Coarse Aggregate.

- Application Thickness:** Total: 6 - 12mm
Neat: 1.5 - 6mm
- Working Time:** 30 mins at 20°C
- Walkable:** 2 hours at 20°C
- Fix Ceramics:** 6 hours at 20°C
- Compressive Strength:** 13 N/mm² (28 day)
- Apply Floorcoverings:** 6 hours at 20°C
- External Use:** No
- Under DPM:** Yes
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface one unit will cover approximately 5m² at 3mm thick.
- Material Requirement:** 1.7kg of mortar/m²/mm
- Packaging:** Available in 20kg bags with 4.8kg latex liquid.
- Storage:** ARDITEX RS PLUS powder has a storage life of 12 months if stored in dry conditions.
ARDITEX RS PLUS latex has a storage life of 6 months in a sealed container if stored in frost free conditions, out of direct sunlight.

These products combine very good levelling and self-smoothing properties with rapid setting, hardening and drying properties which enable rapid installation of a smooth base to receive floorcovering materials. Prior to their application, the substrate should be primed with the appropriate primer where required.

ARDITEX

Ultra Rapid Setting Sub-Floor Smoothing Compound



For over 40 years ARDITEX has offered unbeatable performance. Partially self-smoothing, floorcoverings can be applied after 4 hours and it is suitable for use over most old adhesive residues, and under DPMS. ARDITEX can be applied up to 30mm with the inclusion of ARDEX Coarse Aggregate.

- Application Thickness:** Total: 1.5 - 30mm
Neat: 1.5 - 12mm
With Aggregate: 8 - 30mm.
Use up to an equal volume of ARDEX Coarse Aggregate to the ARDITEX mix.
- Working Time:** 30 mins at 20°C
- Walkable:** 2 hours at 20°C
- Fix Ceramics:** 4 - 6 hours at 20°C
- Compressive Strength:** 18 N/mm² (28 day)
- Apply Floorcoverings:** 4 hours (3mm) at 20°C
- External Use:** No
- Under DPM:** Yes
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface one unit will cover approximately 5m² at 3mm thick.
- Material Requirement:** 1.9kg of mortar/m²/mm
- Packaging:** Available in 22kg bags with 4.8kg latex liquid.
- Storage:** ARDITEX powder has a storage life of 12 months if stored in dry conditions.
ARDITEX latex has a storage life of six months in a sealed container if stored in frost free conditions, out of direct sunlight.

ARDEX K 11

Rapid Hardening Levelling and Smoothing Compound



With ARDEX K 11, floorcoverings can be applied the next day, and its rapid hardening properties mean that it is walkable in 2½ hours. ARDEX K 11 is suitable for use over traces of adhesive residues, and can be applied from 1.5mm-10mm. Suitable for floors with underfloor heating.

- Application Thickness:** Total: 1.5 to 10mm
Neat: 1.5 to 10mm
- Working Time:** 30 mins at 20°C
- Walkable:** 2½ hours at 20°C
- Fix Ceramics:** 24 hours at 20°C
- Compressive Strength:** 35 N/mm² (28 day)
- Apply Floorcoverings:** After 24 hours at 20°C
- External Use:** No
- Under DPM:** No
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface a 22kg bag will cover approximately 7m² at 2mm thick.
- Material Requirement:** 1.6kg of powder/m²/mm
- Pumpable:** Yes
- Packaging:** Available in 22kg bags.
- Storage:** 12 months under normal, dry conditions.
- Mix Water:** 4.5 - 4.8 litres per 22kg bag.



ARDEX K 15 NEW

Rapid Drying Sub-Floor Levelling and Smoothing Compound



Especially useful where the installation time of the floor finish must be kept to a minimum, ARDEX K 15 NEW can be applied up to 35mm thick with the inclusion of ARDEX Coarse Aggregate. ARDEX K 15 NEW is rapid hardening, walkable after 2 hours, and regardless of thickness, floorcoverings can be applied the next day. Suitable for floors with under floor heating.

- Application Thickness:** Total: 3 - 35mm
Neat: 3 - 10mm
With Aggregate: 10 - 35mm use up to an equal volume of ARDEX Coarse Aggregate to the ARDEX K 15 NEW mix, alternatively use ARDEX K 15-HB.
- Working Time:** 30 mins at 20°C
- Walkable:** 2 hours at 20°C
- Fix Ceramics:** 24 hours at 20°C
- Compressive Strength:** 29 N/mm² (28 day)
- Apply Floorcoverings:** Within 24 hours at 20°C
- External Use:** No
- Under DPM:** No
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface a 22kg bag will cover approximately 5.25m² at 3mm thick.
- Material Requirement:** 1.4kg of powder/m²/mm
- Pumpable:** Yes
- Packaging:** Available in 22kg bags.
- Storage:** 12 months under normal, dry conditions.
- Mix Water:** 5 - 5½ litres per 22kg bag.

ARDEX K 15-HB

High Build, Rapid Drying Sub-Floor Levelling and Smoothing Compound



ARDEX K 15-HB contains graded aggregate which gives significant cost savings on sub-floors with greater application thicknesses, of up to 35mm. ARDEX K 15-HB incorporates the unique ARDEX RAPIDRY FORMULA Technology which means that the floor is walkable in 2 hours and dry within 24 hours, regardless of thickness.

- Application Thickness:** Total: 5 - 35mm
Neat: 5 - 35mm
With Aggregate: 20 - 35mm use up to half a volume of ARDEX Coarse Aggregate to the ARDEX K 15-HB mix.
- Working Time:** 30 mins at 20°C
- Walkable:** 2 hours at 20°C
- Fix Ceramics:** 4 hours at 20°C
- Compressive Strength:** 30 N/mm² (28 day)
- Apply Floorcoverings:** Within 24 hours at 20°C
- External Use:** No
- Under DPM:** No
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface a 25kg bag will cover approximately 2.7m² at 5mm thick.
- Material Requirement:** 1.84kg of powder/m²/mm
- Pumpable:** Yes
- Packaging:** Available in 25kg bags.
- Storage:** 12 months under normal, dry conditions.
- Mix Water:** 4 - 4¼ litres per 25kg bag.

ARDEX FA 20

Rapid Drying, Flexible Floor Levelling and Smoothing Compound for Timber Floors



ARDEX FA 20 incorporates MICROTEC® fibre reinforced technology which ensures a flexible, crack free finish with exceptional stability when used to smooth timber floors prior to the application of floorcoverings. ARDEX FA 20 is walkable in just 2 hours and is ready to receive floorcoverings the next day. An additional benefit is the high yield – 5m² at 3mm thickness.

- Application Thickness:** Total: 10 - 20mm
Neat: 3 - 10mm
- Working Time:** 30 mins at 20°C
- Walkable:** 2 hours at 20°C
- Compressive Strength:** 30 N/mm² (28 day)
- Apply Floorcoverings:** 24 hours at 20°C
- External Use:** No
- Under DPM:** No
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface a 20kg bag will cover approximately 5m² at 3mm thick.
- Material Requirement:** 1.4kg of powder/m²/mm
- Packaging:** Available in 20kg bags.
- Storage:** 6 months from date shown on unopened packaging.
- Mix Water:** 5.2 - 5.5 litres per 20kg bag.

ARDEX A 55

Ultra Rapid Drying Self Smoothing Compound



ARDEX A 55 is extremely quick drying which makes it ideal for areas that require rapid repair and renovation work i.e. hospital wards that need to remain open. The sub-floor is ready to receive floorcoverings after only 1½ hours and the adhesive can be applied whilst ARDEX A55 is still damp.

- Application Thickness:** Total: 1.5 - 20mm
Neat: 1.5 - 10mm
With Aggregate: 10-20mm use from half to equal volumes of ARDEX Coarse Aggregate to the ARDEX A 55 mix.
- Working Time:** 15 mins at 20°C
- Walkable:** 1½ hours at 20°C
- Fix Ceramics:** 1½ hours at 20°C
- Compressive Strength:** 35 N/mm² (28 day)
- Apply Floorcoverings:** 1½ hours at 20°C
- External Use:** No
- Under DPM:** No
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface a 22kg bag will cover approximately 9.8m² at 1.5mm thick.
- Material Requirement:** 1.5kg of powder/m²/mm
- Packaging:** Available in 22kg bags.
- Storage:** 12 months under normal, dry conditions.
- Mix Water:** 6 - 6¼ litres per 22kg bag.



ARDEX repair and smoothing products are ideal for applications that require rapid repairs. i.e. patching, smoothing and filling prior to laying floorcoverings.

ARDEX FEATHER FINISH

Rapid Drying Patching and Smoothing Compound



ARDEX FEATHER FINISH is a rapid drying patching and smoothing compound that can be used for filling and feather finishing on plywood, concrete, cement/sand screeds, levelling compounds and ceramic tiles etc. Floorcoverings can be installed after as little as 15 minutes and its true feather edge allows for coverage of up to 50m² per 11kg bag.

- Application Thickness:** Total: 12mm (4 x 3mm*)
Neat: 0 - 3mm
- Working Time:** 15 mins at 20°C
- Walkable:** 15 - 90 mins (15 mins as a scratch coat on absorbent surfaces)
- Compressive Strength:** 20 N/mm² (28 day)
- Apply Floorcoverings:** 15 - 90 mins at 20°C (15 mins as a scratch coat on absorbent surfaces)
- External Use:** No
- Under DPM:** No
- Coverage:** Depending on flatness of surface an 11kg bag will cover approximately 50m² as a skim coat or 10m² at 1mm thick.
- Packaging:** Available in 5kg or 11kg bags.
- Storage:** 6 months under normal, dry conditions.
- Mix Water:** 2 parts powder: 1 part water

*Screeds and concrete only.

Maximum total thickness of 3mm on timber floors.

ARDEX ARDURAPID A 45

Rapid Drying and Hardening Internal Repair Mortar



ARDEX ARDURAPID A 45 is ideal for the rapid repair of internal concrete, screeds, renders and concrete steps, ARDEX ARDURAPID A 45 can also be used to form ramps, fill cracks and make good around fittings and pipework. ARDEX ARDURAPID A 45 receives finishes after 1½ hours regardless of thickness and is slump free, making it ideal for vertical and horizontal repairs.

- Application Thickness:** Total: 0 - 20mm
Neat: 0 - 5mm
With Aggregate: 5 - 20mm mixed with up to an equal volume of ARDEX Coarse Aggregate or ½ volume of clean sharp sand.
- Working Time:** 15 mins at 20°C
- Walkable:** 1½ hours at 20°C
- Fix Ceramics:** 1½ hours at 20°C
- Compressive Strength:** 30 N/mm² (28 day)
- Apply Floorcoverings:** 1½ hours at 20°C
- External Use:** No
- Under DPM:** No
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface an 11kg bag will cover approximately 7m² at 1mm thick (7 litres of mortar).
- Packaging:** Available in 11kg bags.
- Storage:** 12 months under normal, dry conditions.
- Mix Water:** 2½ litres per 11kg bag

ARDEX A 46

Rapid Setting and Hardening External Repair Mortar



ARDEX A 46 is a slump free repair and patch mortar which can be used for both internal and external repairs to stair treads and risers. It is also ideal for infilling holes around fittings and for patch work on wall and floor areas. ARDEX A 46 has rapid hardening properties that mean it is walkable in just 2-3 hours, as well as being suitable for use below a DPM.

Application Thickness:	Total: 2 - 30mm Neat: 2 - 30mm
Working Time:	15 mins at 20°C
Walkable:	2-3 hours at 20°C
Fix Ceramics:	24 hours at 20°C
Compressive Strength:	20 N/mm ² (28 day)
Apply Floorcoverings:	24 hours at 20°C
External Use:	Yes
Under DPM:	Yes
Underfloor Heating:	Yes
Coverage:	Depending on flatness of surface an 11kg bag will cover approximately 4m ² at 2mm thick (8 litres of mortar).
Packaging:	Available in 11kg bags.
Storage:	12 months under normal, dry conditions.
Mix Water:	2.7 - 3 litres per 11kg bag.



ARDEX Fast Track Floor Screeding Products

To cope with the demands of the industry, many projects require fast turnarounds that minimise downtime and disruption, and allow fast track installations by facilitating the early laying of floorcoverings.

Traditional sand/cement screeds can take months to dry, but ARDEX screeds that incorporate the unique ARDEX RAPIDRY FORMULA Technology, can receive floorcoverings, including ceramic tiles, after only 4 hours, regardless of thickness.

These unique rapid setting and hardening properties mean that a BRE screed test can be carried out after only 6 hours as opposed to a conventional screed which must be left for at least 2 weeks.



Traditional screeds can take months to dry, but with the unique ARDEX RAPIDRY FORMULA Technology, they are dry after 24 hours regardless of thickness. These unique rapid setting and hardening properties mean that a BRE Screed Test can be carried out after only 6 hours as opposed to a conventional screed which must be left for at least 2 weeks.

ARDEX A 35

Rapid Setting and Drying Cement for Internal Floor Screeds



ARDEX A 35 incorporates ARDEX RAPIDRY FORMULA Technology which produces a floor screed that can be walked on after just 3 hours, and is dry enough to receive floorcoverings after 24 hours regardless of thickness. After 1 day the compressive and tensile strengths of ARDEX A 35 exceed the acceptable minimum attained by a conventional screed after 28 days. Resilient floor finishes can be applied after 4 hours when smoothed with ARDEX A 55.

Application Thickness:	Bonded screed: 15 - 50mm Unbonded screed: 50mm+ Floating screed: 65/75mm+ (65mm for domestic locations only)
Working Time:	1 hour at 20°C
Walkable:	3 hours at 20°C
Fix Ceramics:	Bonded screed: 24 hours at 20°C Unbonded screed: 24 hours at 20°C
Compressive Strength:	1:4 mix - 40 N/mm ² (28 day) 1:5 mix - 32 N/mm ² (28 day)
Apply Floorcoverings:	24 hours at 20°C (4 hours if smoothed with ARDEX A 55)
External Use:	No
Under DPM:	No
Underfloor Heating:	Yes
Coverage:	Depending on flatness of surface a 25kg bag mixed with 125kg of screeding sand will cover approximately 1.6m ² at 50mm thick.
Material Requirement:	1:4 mix = 0.37kg/m ² /mm 1:5 mix = 0.31kg/m ² /mm
Pumpable:	Yes.
Packaging:	Available in 25kg bags.
Storage:	12 months under normal, dry conditions.
Mix Water:	Please refer to data sheet.
Screed Test:	After 6 hours @ 20°C (BS 8203)

ARDEX A 35 MIX

Rapid Drying Pre Blended Screeding and Screed Repair Mortar for Internal Use



ARDEX A 35 MIX is pre blended with graded aggregate which gives significant cost savings on floors that require greater application thicknesses. ARDEX A 35 MIX incorporates ARDEX RAPIDRY FORMULA Technology which produces a floor screed that can be walked on after just 3 hours, and is dry enough to receive floorcoverings after 24 hours regardless of thickness. After 1 day the compressive and tensile strengths of ARDEX A 35 MIX exceed the acceptable minimum attained by a conventional screed after 28 days. Resilient floor finishes can be applied after 4 hours when smoothed with ARDEX A 55.

Application Thickness:	Bonded screed: 15 - 50mm Unbonded screed: 40mm+ Floating screed: 65/75mm+ (65mm for domestic locations only)
Working Time:	1 hour at 20°C
Walkable:	3 hours at 20°C
Fix Ceramics:	Bonded screed: 24 hours at 20°C Unbonded screed: 24 hours at 20°C
Compressive Strength:	40 N/mm ² (28 day)
Apply Floorcoverings:	24 hours at 20°C (4 hours if smoothed with ARDEX A 55)
External Use:	No
Under DPM:	No
Underfloor Heating:	Yes
Coverage:	Depending on flatness of surface approximately 0.5m ² at 25mm thick per 25kg bag.
Material Requirement:	1.85kg of powder/m ² /mm
Packaging:	Available in 25kg bags.
Storage:	12 months under normal, dry conditions.
Mix Water:	2 litres per 25kg bag.
Screed Test:	After 6 hours @ 20°C (BS 8203)



ARDEX A 38

Rapid Hardening and Drying Cement for Floor Screeds in Internal or External Location



Traditional sand/cement screeds can take months to dry, but an ARDEX A 38 screed can receive tiling after 4 hours for bonded, unbonded and floating screeds, regardless of thickness. ARDEX A 38 can be walked on after 3 hours and is suitable for internal and external use, including wet and submerged areas.

- Application Thickness:** Bonded screed: 15 - 50mm
Unbonded screed: 50mm+
Floating screed: 65/75mm+
(65mm for domestic locations only)
- Working Time:** 60 mins at 20°C
- Walkable:** 3 hours at 20°C
- Fix Ceramics:** Bonded screed: 4 hours at 20°C
Unbonded screed: 4 hours at 20°C
Floating screed: 4 hours at 20°C
- Compressive Strength:** 1:5 mix - 45 N/mm² (28 day)
- Apply Floorcoverings:** 48 hours at 20°C
(4 hours if smoothed with ARDEX A 55)
- External Use:** Yes
- Under DPM:** Yes
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface
approximately 1.6m² per 25kg bag for
50mm 1:5 screed
- Material Requirement:** 1:5 mix = 0.31kg/m²/mm
- Pumpable:** Yes.
- Packaging:** Available in 25kg bags.
- Storage:** 12 months under normal, dry conditions.
- Mix Water:** Please refer to data sheet.
- Screed Test:** After 24 hours @ 20°C (BS 8203)

ARDEX A 23

Rapid Hardening Cement for Floor Screeds



ARDEX A 23 can be used to produce a bonded, unbonded and floating floor screed for internal use. Traditional sand/cement screeds can take months to dry, but an ARDEX A 23 screed can receive tiles after only 48 hours, and resilient floor finishes after 6 days.

- Application Thickness:** Bonded screed: Minimum 20mm
(design thickness up to 40mm)
Unbonded screed: 50mm+
Floating screed: 65/75mm+
(65mm for domestic locations only)
- Working Time:** Up to 45 mins at 20°C
- Walkable:** 8 hours
- Fix Ceramics:** Bonded screed: 48 hours @ 20°C
Unbonded screed: 48 hours @ 20°C
Floating screed: 48 hours @ 20°C
- Compressive Strength:** 21 N/mm² (7 days)
30 N/mm² (28 days)
- Apply Floorcoverings:** 6 days @ 20°C
- External Use:** No
- Under DPM:** No
- Underfloor Heating:** Yes
- Coverage:** Depending on flatness of surface
approximately 1.6m² per 20kg bag for
50mm 1:5 screed
- Material Requirement:** 1:7 mix = 0.27kg/m²/mm
- Pumpable:** Yes.
- Packaging:** Available in 20kg bags.
- Storage:** 12 months under normal, dry conditions.
- Mix Water:** Please refer to data sheet.
- Screed Test:** After 24 hours @ 20°C (BS 8203)

ARDEX Concrete Toppings are suitable where an Industrial topping or wearing surface is required to give a hard, flat and smooth surface, or as a base suitable to receive compatible paint and resin coatings.

ARDEX K 80

Rapid Drying Industrial Topping/Wearing Surface



ARDEX K 80 is a cement based compound for resurfacing and levelling existing concrete floors to give a hard, smooth, flat wearing surface, or as a base suitable for paint and resin coatings.

Application Thickness:	5 - 10mm
Working Time:	Approximately 30 minutes at 20°C
Walkable:	After 2 hours at 20°C
Compressive Strength:	32 N/mm ² (28 day)
Apply Suitable Finishes:	24 hours at 20°C for up to 10mm thick layer
External Use:	No
Under DPM:	No
Underfloor Heating:	No
Abrasion Resistance:	At least AR1 in accordance with BS 8204
Coverage:	Depending on flatness of surface a 25kg bag will cover approximately 3m ² at 5mm thick
Material Requirement:	1.65kg of powder/m ² /mm
Pumpable:	Yes
Packaging:	Available in 25kg bags
Storage:	12 months under normal, dry conditions
Mix Water:	4¼ - 5¼ litres per 25kg bag.

ARDEX SD-T B

Sub-Floor Pre-Levelling Base Mix



ARDEX SD-T B is pre-blended with graded aggregate which gives significant cost savings on floors that require greater application thicknesses, and is designed to pre-level concrete surfaces prior to applying ARDEX K 80.

Application Thickness:	10 - 50mm
Working Time:	15 minutes at 20°C
Walkable:	2 hours at 20°C
Compressive Strength:	30 N/mm ² (28 day)
Apply Suitable Toppings:	24 hours at 20°C
External Use:	No
Under DPM:	No
Underfloor Heating:	No
Coverage:	Depending on flatness of surface a 25kg bag will cover approximately 1.9m ² at 7mm thick
Material Requirement:	1.87kg of powder/m ² /mm
Pumpable:	Yes
Packaging:	Available in 25kg bags
Storage:	12 months under normal, dry conditions
Mix Water:	3½ - 3¾ litres per 25kg bag.



ARDEX K 301

Exterior Self-Smoothing and Resurfacing Compound



ARDEX K 301 is ideal for repairing impact damaged concrete drives, paths, balconies and patios as well as on larger surface areas including private car parks and courtyards. ARDEX K 301 is walkable after 2-3 hours and can be trafficked after 48 hours. ARDEX K 301 can also be used to pre-level floors prior to the application of a DPM.

- Application Thickness:** Total: 2 - 20mm
Neat: 2 - 20mm
- Working Time:** 30 mins at 20°C
- Walkable:** 2-3 hours at 20°C
- Compressive Strength:** 28 N/mm² (28 day)
- External Use:** Yes
- Under DPM:** Yes
- Underfloor Heating:** Yes
- Coverage:** 7.8m² at 2mm thick.
- Material Requirement:** 1.6kg powder/m²/mm
- Pumpable:** Yes
- Packaging:** Available in 25kg bags.
- Storage:** 12 months of date shown on packaging.
- Mix Water:** 5¼ litres per 25kg bag.



ARDEX Surface Damp Proof Membranes are used where time is critical and where a cementitious floor has no, or an effective DPM, enabling the rapid installation of the flooring system.

ARDEX DPM 1 C

One Coat Surface Damp Proof Membrane and Residual Moisture Suppressant

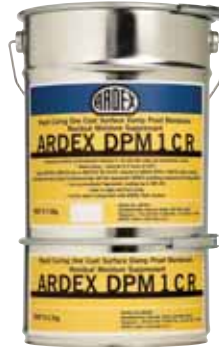


Provides a surface damp proof membrane and barrier to rising ground moisture. Easy to apply, one coat application that guarantees the early laying of all floorcoverings and can accommodate Hygrometer readings up to 98% RH and has excellent resistance to water, grease, oil etc.

- Application Thickness:** 250 microns per coat up to 85% RH
350 microns per coat up to 98% RH
- Working Time:** 20 mins at 20°C
- Walkable:** 6 hours at 20°C
- External Use:** n/a
- Underfloor Heating:** Yes*
- Coverage:** Approximately 1.8m²/kg or 2.5m²/kg.
- Material Requirement:** One 10kg unit will cover approximately 18m² in one 350 micron coat or 25m² in one 250 micron coat.
- Packaging:** Available in 6kg or 10kg units in pre-gauged metal duo containers or 25kg pre-gauged plastic containers.
- Storage:** 12 months in the original unopened container if stored in dry conditions.

ARDEX DPM 1 C RAPID

Rapid Curing One Coat Damp Proof Membrane and Residual Moisture Suppressant



A rapid drying, one coat DPM that can be overcoated after 4 hours making it ideal for fast track installations. ARDEX DPM 1 C R can accommodate Hygrometer readings up to 98% RH and has excellent resistance to water, grease, oil etc.

- Application Thickness:** 250 microns per coat up to 85% RH
350 microns per coat up to 98% RH
- Working Time:** 20 mins at 20°C
- Walkable:** 4 hours at 20°C
- External Use:** n/a
- Underfloor Heating:** Yes*
- Coverage:** Approximately 1.8m²/kg or 2.5m²/kg.
- Material Requirement:** One 10kg unit will cover approximately 18m² in one 350 micron coat or 25m² in one 250 micron coat.
- Packaging:** Available in 6kg or 10kg units in pre-gauged metal duo containers.
- Storage:** 12 months in the original unopened container if stored in dry conditions.

*The underfloor heating must be commissioned in accordance with the manufacturer's guidelines. The RH % should not be greater than 85%



ARDEX DPM

Two Coat Surface Damp Proof Membrane and Residual Moisture Suppressant

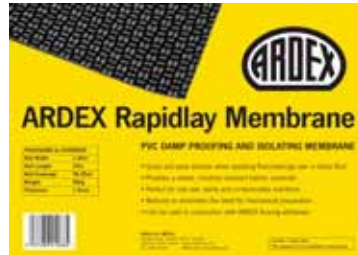


A two coat, colour coded, fast curing product ideal for use on very porous substrates to prevent pinholing. Can accommodate Hygrometer readings up to 98% RH.

- Application Thickness:** 200 microns per coat applied as two coat system. Over coating after 8 hours at 20°C.
- Working Time:** 20 mins at 20°C
- Walkable:** 6-8 hours at 20°C
- External Use:** n/a
- Underfloor Heating:** No
- Coverage:** Depending on flatness or porosity of surface approximately 4m²/kg.
- Material Requirement:** A 6kg unit will cover approximately 24m² at 200 microns thick.
(Note: 2 coats are required).
- Packaging:** Available in 6kg units in pre-gauged metal duo containers, also available in 25kg pre-gauged plastic containers.
- Storage:** 12 months in the original unopened container if stored in dry conditions.

ARDEX RAPIDLAY MEMBRANE

PVC Damp Proofing and Isolating Membrane



Provides a quick and easy solution when applying floorcoverings over damp or contaminated sub-floors. ARDEX Rapidlay Membrane can be laid over a variety of surfaces to provide a stable, moisture resistant barrier substrate, and eliminates the need for mechanical preparation. Accommodates up to 92% RH if no DPM, or up to 97% RH if an effective DPM is present.

- Roll Width:** 1.45m
- Roll Length:** 25m
- Roll Coverage:** 36.25m²
- Tape:** 50m x 50mm
- Weight:** 58kg
- Thickness:** 1.4mm
- External Use:** No



ARDEX PSRS

Penetrating Screed Renovation System



A two component epoxy resin designed for strengthening and restoring poorly compacted and low strength cement/sand screeds.

Ensure ARDEX PSRS is always keyed with ARDEX Fine Aggregate.

- Working Time:** 20 mins at 20°C
- Walkable:** 4 hours at 20°C
- External Use:** n/a
- Coverage:** Typically a 50mm thick screed can require up to 3 and 5kg per square metre of ARDEX PSRS resin.
- Packaging:** Available in 10kg units in pre-gauged metal duo containers.
- Storage:** 12 months in the original unopened container if stored in dry conditions.

ARDEX EP 2000

Multi-Functional Epoxy Resin



A solvent-free, low viscosity. Two-component epoxy resin for sealing cracks in screeds.

- Working Time:** 30 mins between 18°C - 20°C
- Walkable:** 24 hours between 18°C - 20°C
- External Use:** n/a
- Coverage:** n/a
- Packaging:** 6kg
- Storage:** 12 months in dry rooms in unopened packaging.

ARDEX DGR

Degreaser



Effective removal of wax, oil, grease and similar surface contamination from sub-floors prior to the application of ARDEX sub-floor smoothing compounds.

- Coverage:** Approximately 36 - 45m² per 4.5 litres (undiluted).
- Packaging:** Available in 4.5 litre containers.
- Storage:** 12 months in the original unopened container.



Primers are used to seal a porous floor to improve the flow life, and to prevent pin holes or blisters in the subsequently applied levelling or smoothing compound. They are also used where the surface/substrate is dense or impervious, as a bonding primer to enable the smoothing compound to adhere properly. ARDEX primers can also be used as a bonding agent for cement/sand screeds to form a slurry agent.

ARDEX P 51

Concentrated Water Based Primer and Bonding Agent



Ideal for a wide range of applications, ARDEX P51 seals and primes gypsum based plasters and screeds and minimises air bubbles rising through levelling compounds and porous surfaces. ARDEX P 51 provides up to 160m² per unit and can also be used with ARDEX A 35 to produce a bonding slurry. Usually brush applied. For detailed usage or dilution ratios and substrates, consult the technical datasheet.

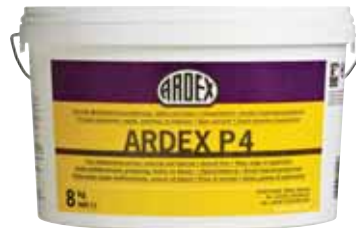
- Coverage:** Determined by dilution: 5kg ARDEX P 51 diluted with 5 volumes of water is sufficient for priming approximately 160m².
- 5kg ARDEX P 51 diluted with 3 volumes of water is sufficient for priming approximately 100m².
- 5kg ARDEX P 51 diluted with 2 volumes of water is sufficient for priming approximately 60m².
- 5kg ARDEX P 51 diluted with an equal volume of water is sufficient for priming approximately 33m².
- 5kg ARDEX P 51 diluted with ½ volume of water is sufficient for priming approximately 25m²

NOTE: The above coverage figures will vary depending on the roughness and absorbency of the substrate.

- Packaging:** Available in 25kg, 5kg and 1kg containers.
- Storage:** 12 months in the original unopened container.
- Colour:** Blue.

ARDEX P 4

Ready Mixed Rapid Drying Multi-Purpose Primer



ARDEX P 4 Primer is a ready mixed, rapid drying, solvent free primer. The consistency of ARDEX P 4 Primer has been optimised so that dripping and splashes are virtually eliminated. ARDEX P 4 Primer can be used on internal and external walls, ceilings and floors. It can also be used prior to the installation of floor-levelling compounds. Smoothing onto existing ceramic/terrazzo tiling is facilitated by the excellent texture of the dry ARDEX P 4 Primer. Can be applied by brush or roller. Also suitable for use over ARDEX Damp Proof Membranes.

- Coverage:** 8kg of undiluted ARDEX P 4 Primer is usually sufficient for priming at least 40m² per unit on most typical substrates. Coverage depends on the texture and absorbency of the substrate, e.g. ceramic tiles. Porous surfaces will require more material.
- Packaging:** Available in 8kg containers.
- Storage:** 12 months in the original unopened container.
- Colour:** White.

Note: If applying to concrete or cement/sand screeds add up to 1 litre of clean water to ease application.

ARDEX P 82

Water Dispersed Epoxy Primer



For use on all dense impervious surfaces, including hard flooring grade asphalt, ceramic and quarry tiles and rigid metal sub-floors. Apply by roller or squeegee

- Coverage:** Depending on the surface to be primed and method of application 10-20m² per 2kg unit, 30 - 60m² per 6kg unit.
- Material Requirement:** 5 - 10m² per kg of mixed primer.
- Packaging:** Available in 2kg and 6kg units.
- Storage:** 12 months in the original unopened container. Protect from frost.
- Colour:** Pink.

ARDEX R 3 E

Moisture Tolerant Epoxy Primer



ARDEX R 3 E Moisture Tolerant Epoxy Primer is a two component solvent free epoxy resin for use on concrete and cementitious surfaces that have damp surfaces (e.g. from water spillages or rain) prior to installing polyurethane screeds and self-smoothing epoxy floor coatings. Also ideal for use with ARDEX SD-T B/ARDEX K 80 Industrial Floor System. Blind with ARDEX Fine Aggregate and used as a primer prior to applying thick applications of the ARDEX SD-T B/ARDEX K 80 Industrial Floor System, or other appropriate ARDEX cement-based products.

- Working Time:** 20 mins at 20°C
- Overcoat Time:** 8 hours at 20°C
Maximum overcoat time 24 hours at 20°C
- External Use:** n/a
- Coverage:** 24m² per 6kg unit.
- Packaging:** Available in 6kg units in pre-gauged metal duo containers or 25kg pre-gauged plastic containers.
- Storage:** 12 months in the original unopened containers. Protect from frost.



ARDEX R 5 E

Fast Cure Epoxy Primer



ARDEX R 5 E Fast Cure Epoxy Primer is a two component solvent free epoxy resin for use on sound substrates where a faster cure is required, prior to installation of polyurethane screeds and self-smoothing epoxy floor coatings. Also may be used when blinded with ARDEX Fine Aggregate and used as a primer prior to applying thick applications of the ARDEX SD-T B /ARDEX K 80 Industrial Floor System, or other appropriate ARDEX cement-based products.

- Working Time:** 15 mins at 20°C
- Overcoat Time:** 4 hours at 20°C
Maximum overcoat time 12 hours at 20°C
- External Use:** n/a
- Coverage:** 24m² per 6kg unit.
- Packaging:** Available in 6kg units in pre-gauged metal duo containers.
- Storage:** 12 months in the original unopened containers. Protect from frost.

ARDEX R 6 E

Oil Tolerant Epoxy Primer



ARDEX R 6 E Oil Tolerant Epoxy Primer is a two component solvent free epoxy resin for use on oil contaminated concrete or cementitious substrates prior to installing polyurethane screeds and self-smoothing epoxy floor coatings. Blind with ARDEX Fine Aggregate and used as a primer prior to applying thick applications of the ARDEX SD-T B/ARDEX K 80 Industrial Floor System, or other appropriate ARDEX cement-based products.

- Working Time:** 20 mins at 20°C
- Overcoat Time:** 8 hours at 20°C
Maximum overcoat time 24 hours at 20°C
- External Use:** n/a
- Coverage:** 24m² per 6kg unit.
- Packaging:** Available in 6kg units in pre-gauged metal duo containers or 25kg pre-gauged plastic containers.
- Storage:** 12 months in the original unopened containers. Protect from frost.

ARDEX E 25

Mortar Admix



For use with ARDEX K 15 NEW Rapid Drying Self Levelling Sub-Floor smoothing compound to impart greater strength and durability where high point loadings and heavy traffic are expected, or on traces of sound adhesive residues or flooring grade asphalt floors.

Material requirement: 5kg diluted with 5 volumes of water is sufficient for approximately 5 x 22kg bags of ARDEX K 15 NEW.

Packaging: Available in 5kg containers.

Storage: 12 months in the original unopened container. Protect from frost.



ARDEX E 100

Additive for Bonding/Slurry Grouts

ARDEX E 100 is an acrylic-based dispersion for use with screeds in internal and external locations. Use with ARDEX A 38 Rapid Hardening and Drying Cement for Floor Screeds as a bonding slurry/grout.

Material requirement: Dilute ARDEX E 100 with an equal volume of water

Packaging: Available in 5kg containers.

Storage: 12 months in the original unopened container. Protect from frost.

ARDEX COARSE AGGREGATE

A dry, pre-packed 3mm graded aggregate for use with ARDEX sub-floor smoothing compounds where thick applications are required.

Coverage: A 25kg bag mixed with one unit of ARDITEX, ARDITEX NA or ARDEX K 15 NEW will give approximately 20 litres of product (approximately 1m² at 20mm thick).

Packaging: Available in 25kg bags.

ARDEX FINE AGGREGATE

A dry, pre-packed 1-1.5mm fine aggregate used for fully blinding ARDEX R 3 E, R 5 E or R 6 E and ARDEX PSRS to give a 'sand paper' finish.



Coverage: Highly dependent on application method and excess applied, typically 1 to 1.5kg/m² i.e approximately 25m² per 25kg bag.

Packaging: Available in 25kg bags.



Use the table below to select the appropriate ARDEX product for preparing internal sub-floors.

SUB-FLOOR	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION
Cement/sand screed or Concrete	Damaged surface, slightly uneven or wood float finish. Smoothing required before application of floorcoverings.	Ensure surface is clean. Prime the surface where applicable to minimise air bubbles and prolong the workability of the underlayment.	ARDITEX, ARDITEX NA, ARDITEX RS PLUS, ARDEX FA 20, ARDEX K 11, ARDEX K 15 NEW, ARDEX A 55, ARDEX ARDURAPID A 45, ARDEX FEATHER FINISH	Should not be used to make good screeds that are either structurally weak or have a friable surface.
	Larger irregularities in the surface. Application of thin bonded screed required, i.e. greater than 5mm thick.	Ensure surface is clean. Prime as above.	ARDITEX, ARDITEX NA, ARDITEX RS PLUS, ARDEX FA 20, ARDEX K 15 NEW, ARDEX K 15-HB, ARDEX K 11, ARDEX A 45, ARDEX A 55	Incorporate ARDEX Coarse Aggregate as specified for the individual product. See technical literature.
	Sub-floor requiring installation of a rapid hardening and drying screed of conventional thickness.	Apply as unbonded, bonded or floating screed.	ARDEX A 35	Use ARDEX A 35 cement with screeding sand. Install at thickness of conventional screed, i.e. minimum 15mm for bonded screeds, minimum 50mm for unbonded and minimum 75mm for floating screeds.
	As above or where thinner screeds or screed repairs are required.	Apply as unbonded, bonded or floating screed.	ARDEX A 35 MIX	Bonded screeds 15mm to 40mm without admix. Unbonded 40mm and above. Floating screeds as above.
	New or replacement screed, of high strength, required in internal or external locations.	Apply as unbonded, bonded or floating screed.	ARDEX A 38, ARDEX E 100	Use ARDEX A 38 and ARDEX E 100 cement with screeding sand. Install at thickness of conventional screed, i.e. minimum 15mm for bonded screeds, minimum 50mm for unbonded and minimum 75mm for floating screeds.
Poorly compacted low strength cement/sand screeds	Cement and sand screeds that have failed the BS 8204-1 insitu crushing resistance test (formerly BRE Screed Test).	Remove any adhesive residues and smoothing compounds by appropriate mechanical means to expose open textured weak screed.	ARDEX PSRS	Blind fresh surface of ARDEX PSRS with ARDEX Fine Aggregate to give a 'sandpaper' finish to receive appropriate ARDEX smoothing compound.
Heated concrete or cement/sand screed	Heating system comprising of hot water pipes.	Ensure sub-floor is mature, dry and clean. Prime sub-floor as required.	ARDITEX, ARDITEX NA, ARDITEX RS PLUS, ARDEX K 11, ARDEX K 15 NEW, ARDEX K 15-HB, ARDEX A 55, ARDEX FA 20	Thermally cycle the concrete or cement/sand screed to allow for initial shrinkage of sub-floor in accordance with underfloor heating manufacturer's instructions.
Damp cement/sand screeds, concrete, quarry tiles and terrazzo floors	Where no existing dpm is present or where the floor has residual moisture.	Take moisture tests in accordance with BS 8203. Ensure surface is mature, clean and sound. Use appropriate mechanical preparation.	ARDEX DPM, ARDEX DPM 1 C or ARDEX DPM 1 CR - Smooth with either ARDITEX, ARDITEX NA, ARDITEX RS PLUS directly or ARDEX K 11 or ARDEX K 15 NEW following priming with ARDEX P 82 Primer, ARDEX P 4 Primer. Apply compound between 3-6mm.	Two coat system will accommodate up to 98% RH moisture content. Pre-level/smooth if required with ARDITEX, ARDITEX NA, ARDEX A 46, ARDEX S 21 or ARDEX K 301 as appropriate to maintain coverage.
Damp power floated concrete slabs	Where no existing dpm is present or where the floor has residual moisture.	Take moisture tests in accordance with BS 8203. Lightly shot blast to expose clean surface.	Smooth with either ARDITEX, ARDITEX NA, or ARDITEX RS PLUS (within 2 days for ARDEX DPM 1 C or 16 hours for ARDEX DPM 1 CR) directly or ARDEX K 11 or ARDEX K 15 NEW following priming with ARDEX P 82 Primer, ARDEX P 4 Primer. Apply compound between 3-6mm.	One coat system will accommodate up to 98% RH moisture content. Easy to apply and fast curing.
Power Floated Concrete, Granolithic or Terrazzo finishes, Quarry Tiles and similar Non-absorbent surfaces	Usually existing surfaces contaminated to various degrees.	Use degreaser or alkaline cleaner (e.g. washing soda) and scouring pad. Badly contaminated surfaces may require grinding or shot blasting. Priming usually necessary.	ARDITEX*, ARDITEX NA*, ARDITEX RS PLUS*, ARDEX K 15 NEW, ARDEX FA 20, ARDEX A 55, ARDEX K 11, ARDEX FEATHER FINISH*	See product literature for priming information. *Primer not required
Anhydrite Screeds	Various systems available, must be dry i.e. less than 75% Relative Humidity.	Prepare surface in accordance with manufacturer's instructions. Prime with ARDEX P 51 primer diluted 1:3 with water.	ARDITEX, ARDITEX NA, ARDITEX RS PLUS, ARDEX K 15 NEW, ARDEX K 11, ARDEX FA 20	For thicknesses above 6mm, consult the ARDEX Technical Services Department.
Asphalt (Hard flooring grades) Internal	Smooth or sanded finish. Smoothing compound usually applied as drying layer for flooring adhesive.	Asphalt must be of a hard grade. Ensure surface is clean.††	ARDITEX, ARDITEX NA, ARDEX K 15*†, ARDEX FA 20**	Underlayment thickness 3mm to 6mm. * Addition of ARDEX E 25 necessary. ** Up to 10mm. † Prime smooth asphalt with ARDEX P 82 ††Washing soda can be effective.
Existing Vinyl or other types of floorcovering or existing Wood Blocks/Parquet	The adhesion of the floorcovering to the base and its long term stability are suspect. Wood blocks may deteriorate if overlaid.	Remove floorcovering, wood blocks, etc. Where possible remove the adhesive residues to expose the base by grinding, shot blasting, scabbling, etc.	ARDITEX*, ARDITEX NA*, ARDEX K 15 NEW*, ARDEX K 15-HB, ARDEX FA 20*	Remaining adhesive residues may impair adhesion. In doubtful cases lay a trial area. *Aggregate necessary for thick layers. Do not apply over soft, loosely adhered or water soluble adhesive residues.
Timber floorboards	Tongued and grooved or straight boarded floor. Possible differential movement and deflection. Boards may be dished.	Pre-level where required using ARDITEX or ARDITEX NA and then fix adequately thick plywood with screws or ring nails at 150mm centres or less to provide a rigid base.	ARDITEX or ARDITEX NA (for pre-levelling prior to fixing plywood)	Ensure ventilation under timber floor is maintained to prevent deterioration of the timber.
Plywood, Chipboard floors etc.	Nail holes, gouges, joints, etc., to be filled/smoothed.	Remove all loosely adhered materials. Ensure no movement where boards abut.	ARDEX FEATHER FINISH*, ARDEX FA 20	*Ultra rapid drying, apply from 3mm to feather edge.
Painted Concrete and other surface coatings	Surface will usually be hard, dense and non-absorbent.	Remove coating by grinding or shot blasting to expose sound concrete base and treat as for new concrete.	SEE 'CONCRETE' ABOVE	Some coatings can be smoothed following the direction of 'NON-ABSORBENT SURFACES' but the adhesion of the coating must be checked.



Product Thickness Guide

The addition of an aggregate is recommended where thicker applications are necessary, e.g. localised repairs, depressions, holes, etc., but it is essential to refer to the technical literature for the relevant product. For thick overall applications the use of alternative products/systems, e.g. ARDEX A 35, may prove to be more economic. Contact your local ARDEX Area Sales Manager or our Technical Services Department for detailed advice. Thorough sub-floor preparation is essential to guarantee the successful application of any thin screed or underlayment.

	Neat Material	With ARDEX Coarse Aggregate
ARDITEX NA	up to 12mm	from 8mm - 30mm
ARDITEX RS PLUS	up to 6mm	from 6mm - 12mm
ARDITEX	up to 12mm	from 8mm - 30mm
ARDEX FA 20	3mm - 10mm	from 10mm - 20mm
ARDEX K 15 NEW	up to 10mm	n/a use ARDEX K 15-HB, see below
ARDEX K 15-HB	5mm - 35mm	from 20mm - 35mm
ARDEX A 55	up to 10mm	from 10mm - 20mm
ARDEX K 11	up to 10mm	
ARDEX ARDURAPID A 45	up to 5mm	from 5mm - 20mm
ARDEX A 46	2 - 30mm	
ARDEX FEATHER FINISH	0 - 3mm (up to 12mm in 4 x 3mm applications)	
ARDEX K 80	5 - 10mm	
ARDEX SD-T B	10 - 50mm	20 - 50mm
ARDEX K 301	2 - 20mm	

Coverage Guide

	Coverage Figure	Unit Size(s) (kg)
ARDITEX NA	1.6 (kg per m ² /mm)	24.85
ARDITEX RS PLUS	1.7 (kg per m ² /mm)	24.8
ARDITEX	1.9 (kg per m ² /mm)	26.8
ARDEX FA 20	1.4 (kg per m ² /mm)	20.0
ARDEX K 15 NEW	1.4 (kg per m ² /mm)	22.0
ARDEX K 15-HB	1.84 (kg per m ² /mm)	25.0
ARDEX A 55	1.5 (kg per m ² /mm)	22.0
ARDEX K 11	1.6 (kg per m ² /mm)	22.0
ARDEX ARDURAPID A 45	1.6 (kg per m ² /mm)	11.0
ARDEX A 46	1.4 (kg per m ² /mm)	11.0
ARDEX FEATHER FINISH	Up to 50m ² as scratch coat, 10m ² at 1mm thick per 11kg unit	11.0/5.0
ARDEX K 80	1.65 (kg per m ² /mm)	25.0
ARDEX SD-T B	1.87 (kg per m ² /mm)	25.0
ARDEX K 301	1.6 (kg per m ² /mm)	25.0

As a guide, a bag/unit of levelling/smoothing compound, will cover approximately 5m² @ 3mm thickness, or 3m² @ 5mm thickness.

For a more accurate figure:

1. MULTIPLY the area (m²) by the thickness (mm)
2. MULTIPLY the result by the coverage figure (see table opposite)
3. DIVIDE the result by package/unit size (see table opposite)

Example: Sufficient ARDEX A 55 for 88m² @ 3mm thickness = (88 x 3 x 1.5) ÷ 22 = 18 bags

NOTE: All surfaces must be clean, sound and free from dust, plaster droppings, grease, paint, polish and any water softenable or loosely adhered materials. Good adhesion to the sub-floor is very important to guarantee the successful application of any thin screed or underlayment. Direct to earth sub-floors must have an effective DPM, such as ARDEX DPM, ARDEX DPM 1 C or ARDEX DPM 1 C R.

All ARDEX products should be mixed and applied in accordance with the relevant product data sheet.



Deighton Community Sports Arena

Contractor: Fresco Interiors
Products used: ARDITEX NA, ARDEX AF 100



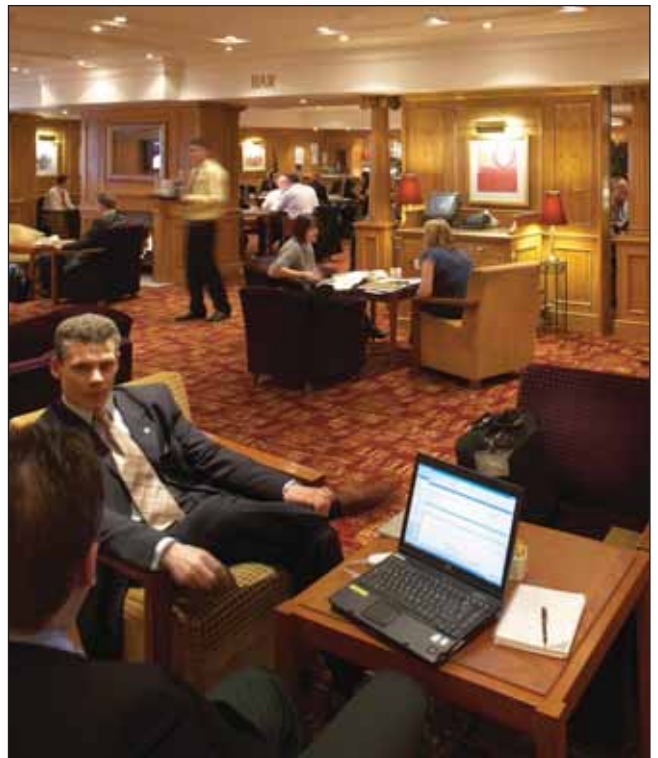
Aintree Hospital

Contractor: PCS Flooring
Products used: ARDEX DPM 1 C, ARDEX P 82 Primer, ARDEX K 11



Colman Hospital

Contractor: Lees Flooring Limited
Products used: ARDITEX, ARDEX AF 100



Hilton East Midlands Airport Hotel

Contractor: J & S Flooring
Products used: ARDEX AF 3000



ARDEX FLOORCOVERING ADHESIVES



A GENERAL INTRODUCTION TO ADHESIVES FOR RESILIENT AND TEXTILE FLOORCOVERINGS

Floorcovering adhesives are used to secure the floorcovering to the prepared sub-floor to prevent the floorcovering moving when trafficked, either by pedestrians or by vehicles.

Water-based adhesives

Adhesives containing water borne binders are widely used, with aqueous synthetic polymer-based products being most popular.

Synthetic dispersion-based products

- : SBR polymer
- : Acrylic polymer
- : PVA Polymer

Bitumen-based products

- : Bitumen emulsion

Water soluble binder products

- : Lignum paste

These products contain water and most have to be spread out on the sub-floor and left for the recommended 'open time' for the water and solvents, if present, to evaporate and thus develop tack before the floorcovering is laid. In some cases the floorcovering has to be laid whilst the spread adhesive is sufficiently wet to allow transference to the underside of the floorcovering, some products require the floorcovering to be laid immediately after spreading the adhesive.

Adhesives containing solvents (flammable and non-flammable)

- Solvent borne adhesives
e.g. bitumen solution (ATA)
- Contact adhesives
e.g. synthetic rubber solution

These products contain organic solvents which predominantly evaporate before the application of the floorcovering. Most of these adhesives require an 'open time' to allow the carrier solvent to evaporate before the floorcovering is laid. Some of these adhesives can be spread on the sub-floor and the floorcovering immediately installed. Where the applied adhesives are described as 'contact adhesives' they generally allow no adjustability after the floorcovering is placed, i.e. immediate grab on contact.

Reactive resin-based adhesives

- Epoxy resin – 2 part adhesives
- Polyurethane – 2 part or single part adhesives
- Polyester resin/catalyst adhesives

These are used for special installations where the floorcovering (predominantly PVC or rubber) requires to be strongly adhered to the sub-floor, e.g. extremely heavy trafficked locations or where conditions demand it, such as high temperature or wet locations. Note it is essential that in high temperature locations such as conservatories that a suitable adhesive is used and the flooring is installed in accordance with British Standard code of practice BS 8203, in particular that the flooring is conditioned and installed within the correct temperature range.

APPLICATION OF ADHESIVES

Floorcovering adhesives are generally applied as a ribbed bed to the sub-floor using a suitably serrated trowel to evenly spread the adhesive, i.e. to obtain a uniform coverage of sufficient adhesive for the floorcovering being applied. With some adhesives the floorcovering can be applied whilst the adhesive is still wet. These adhesives are usually used when adhering impervious floorcoverings to absorbent sub-floors, e.g. screeds, concrete, smoothing compounds, plywood etc.

With some adhesives the spread adhesive has to be left to develop tack, usually to allow the evaporation of water and solvents that are present in the 'fresh' adhesive to improve properties such as to facilitate workability during application. Once the adhesive has developed tack, the floorcovering can be adhered. This period of time is called 'open time' and with some modern adhesives the 'open time' can be considerable, i.e. so called permanent tack or peelable adhesives.

In some cases the adhesive may be applied to the prepared sub-floor and the floorcovering laid into the freshly applied adhesive so that the adhesive is partially transferred to the underside of the floorcovering. The floorcovering is then pulled back off the sub-floor and the adhesive on the sub-floor and the floorcovering are allowed to develop tack before it is re-laid into the adhesive on the sub-floor. This technique is usually referred to as the 'double drop' method.

Where adhesives immediately bond the floorcovering on contact, these can be applied to both the prepared sub-floor and to the underside of the floorcovering, prior to adhering the floorcovering once the adhesive application is dry. These are usually referred to as contact adhesives.

With thinner resilient floorcoverings the use of the serrated trowel to evenly distribute sufficient adhesive as a ribbed bed on the sub-floor and subsequently flattening the adhesive ribs with a conventional paint roller, has become more popular. This technique eliminates patterns showing through the applied thin resilient floorcoverings.

Note: This method is mostly used with pressure sensitive adhesives.

The type of floorcovering adhesive has to be selected on the basis of the sub-floor and floorcovering being fixed, as well as on the end use and location of the floor. Where both the floorcovering and the sub-floor are impervious, the adhesive selected should give the required adhesion without further loss of water or solvent. In these circumstances an adhesive which is left to develop tack, or a contact adhesive will be selected. If either the floorcovering or the sub-floor is porous and absorbent, then the range of adhesives that can be used is much greater.

For some installations where an anti-static floorcovering is installed the adhesive used is generally a special conductive grade.

With some floorcoverings, e.g. certain types of carpet and carpet tiles, where full bonding to the sub-floor is not critical, the use of tackifier adhesives are generally satisfactory. With such adhesives the sub-floor may require priming to reduce porosity.

All resin surfaces should be prepared to remove any barriers to adhesion or contamination.

Note: Certain epoxy based surface damp proof membranes, and those left for more than 48 hours, may require suitable preparation in order to allow direct bonding by adhesives.








Note: Direct bonding will not be possible unless the surface of the resin is sufficiently smooth and flat for the intended floorcovering.

Note: Where floorcoverings are installed in areas of high or low temperatures, such as conservatories or under refrigeration units, or where there is a high incidence of light from glass facades e.g. airports and offices, special advice should be sought on the appropriate choice of adhesive.



Note: The performance of floorcovering adhesives is dependent on a range of factors including:

- Ambient temperature
- Porosity of the sub-floor
- Absorbency of the floorcovering
- Temperature of the sub-floor
- Amount of adhesive used and amount of adhesive transfer

TYPE OF FLOORCOVERING	RECOMMENDED FLOORCOVERING ADHESIVES							
								
	AF 100 PRESSURE SENSITIVE ACRYLIC FLOORING ADHESIVE	AF 150 ADHESIVE FOR PVC SHEET AND TILES	AF 650 HEAVY DUTY CONTACT ADHESIVE	AF 700 HIGH PERFORMANCE LINOLEUM SHEET AND TILE ADHESIVE	AF 890 SURFACE TACKIFIER	AF 2300 ADHESIVE FOR UP TO 4MM THICK RUBBER FLOORCOVERINGS	AF 2510 TWO COMPONENT POLYURETHANE ADHESIVE	AF 3000 FLOORING ADHESIVE
U indicates suitable								
TEXTILE FLOORCOVERINGS								
Hessian backed								U
Synthetic backed			U					U
Felt backed			U					U
PU/Latex foam backed			U		U			U
PVC backed		U	U		U			U
Fibre bonded and Needlefelt								U
Carpet tiles – all types			U		U			
POLYOLEFINS (PLANKS & TILES)							U	
PVC FLOORCOVERINGS								
PVC coving and skirting			U					
PVC sheet and tiles	U	U	U				U	
High filled flexible sheet PVC	U	U	U				U	
Cushion vinyl - Mineral back/Foam back	U	U	U		U			
VCT (Vinyl composition tiles)	U	U					U	
Felt backed PVC		U	U					
HARDWOOD FLOORING							U	
RUBBER FLOORCOVERINGS								
Tiles up to 4mm thick			U			U	U	
Tiles up to 10mm thick							U	
LINOLEUM FLOORCOVERINGS								
Linoleum up to 4mm thick			U	U			U	
Linoleum sheet and tiles (Jute/Hessian)			U	U				
Linoleum tiles (Polyester backed)			U	U				



SUB-FLOOR	RECOMMENDED FLOORCOVERING ADHESIVES							
								
	AF 100 PRESSURE SENSITIVE ACRYLIC FLOORING ADHESIVE	AF 150 ADHESIVE FOR PVC SHEET AND TILES	AF 650 HEAVY DUTY CONTACT ADHESIVE	AF 700 HIGH PERFORMANCE LINOLEUM SHEET AND TILE ADHESIVE	AF 890 SURFACE TACKIFIER	AF 2300 ADHESIVE FOR UP TO 4MM THICK RUBBER FLOORCOVERINGS	AF 2510 TWO COMPONENT POLYURETHANE ADHESIVE	AF 3000 FLOORING ADHESIVE
Non-absorbent Concrete, Terrazzo, Marble, Granolithic etc.	**u	u	u		u		u	u
Levelling/Smoothing Compounds, Absorbent Sand/Cement, Screed, Concrete	u	u	u	u	u	u	u	u
Timber Floors	u	u	u	u	u	u	u	u
Existing Sound/Clean Thermoplastic Tiles	**u			u	u			u
Flooring Grade Asphalt	**u	*u		*u	*u	*u	*u	*u
Steel or Metal Access Flooring	**u		u		u		u	
Synthetic Anhydrite, Primed with ARDEX P 51	u	u	****u	u	u	u	****u	u
Epoxy and and Epoxy DPM's	**u		u		u		***u	u
Magnesium Oxychloride (Magnesite) over an Effective DPM	**u			u	u	u	u	u

- *If prepared using ARDITEX NA Smoothing Compound
- **ARDEX AF 100 should be allowed to dry completely before floorcovering installation
- ***Epoxy systems only
- ****Do not prime with ARDEX P 51



All resin surfaces should be prepared to remove any barriers to adhesion or contamination.

Note: Certain epoxy based surface damp proof membranes, and those left for more than 48 hours, may require suitable preparation in order to allow direct bonding by adhesives.

Note: Direct bonding will not be possible unless the surface of the resin is sufficient and flat for the intended floorcovering.



ARDEX Floorcovering Adhesives are suitable for use on all common flooring substrates including hard, clean, dry, sound and smooth sub-floors such as concrete, sand/cement screeds, latex and water-based levelling and smoothing compounds, terrazzo, plywood, hardboard and flooring grade chipboard.

ARDEX AF 3000

General Purpose Flooring Adhesive



ARDEX AF 3000 is a high quality synthetic resin/rubber adhesive that has excellent wet grab and rapid strength development. Suitable for use over normal underfloor heating systems and for securing a wide variety of textile floorcoverings.

Coverage:

Notch size (mm)	m ² /litre	m ² /15 litre unit
3 x 6	2 approximately	30 approximately
2 x 6	3 approximately	45 approximately
1.5 x 5	4 approximately	60 approximately

Open time: Up to 20 minutes depending on room temperature/humidity and absorbency of the sub-floor

Underfloor Heating: Yes

Colour: Cream

Storage: Shelf life of 12 months if stored in good conditions between 5°C and 30°C in original unopened containers

Packaging: Available in 15 litre tubs.

ARDEX AF 100

Pressure Sensitive Acrylic Flooring Adhesive



ARDEX AF 100 is a solvent free adhesive for adhering PVC sheet and tile floorcoverings. ARDEX AF 100 has excellent permanent tack with exceptional grab and early and long term adhesive strength. Reduces trowel serration shadowing through thin vinyl flooring.

Coverage:

Notch size (mm)	m ² /litre	m ² /15 litre unit
1.5 x 5	5 approximately	75 approximately
Roller only	6 approximately	90 approximately

Note: Do not exceed 7m² per litre, max 105m² per 15 litre unit

Drying time: Up to 40 minutes depending on temperature and absorbency of the sub-floor

Underfloor Heating: Yes

Colour: Milky white, turning to clear when dry

Storage: Shelf life of 12 months if stored in good conditions between 5°C and 30°C in original unopened containers

Packaging: Available in 15 litre tubs.



ARDEX AF 150

PVC and Sheet Tile Adhesive



ARDEX AF 150 is a solvent free adhesive for adhering PVC/vinyl floorcoverings including sheet and tiles with foam and PVC backings. ARDEX AF 150 has a long tack time and excellent early and long term adhesive strength.

Coverage:

Notch size (mm)	m ² /litre	m ² /15 litre unit
1.5 x 5	4 approximately	60 approximately

Open/drying time: Up to 40 minutes depending on room temperature/humidity and absorbency of the sub-floor

Underfloor Heating: Yes

Colour: Cream

Storage: Shelf life of 12 months if stored in good conditions between 5°C and 30°C in original unopened containers

Packaging: Available in 15 litre tubs.

ARDEX AF 650

Heavy Duty Contact Adhesive



ARDEX AF 650 is ideal for fixing PVC and rubber floorcoverings, stair nosings, PVC skirting, stair stringers and cork with natural cork backing. ARDEX AF 650 provides a permanent contact bond and can also be used on vertical surfaces.

Coverage:

Notch size (mm)	m ² /litre	m ² /5 litre unit
0.7 x 1	6 approximately	30 approximately
Brush	8 approximately	40 approximately

Open time: Up to 45 minutes depending on room temperature/humidity and absorbency of the sub-floor

Underfloor Heating: Yes

Colour: Amber

Storage: Shelf life of 12 months if stored in good conditions between 5°C and 30°C in original unopened containers

Packaging: Available in 5 litre tins.



ARDEX AF 700

High Performance Linoleum Sheet and Tile Adhesive



ARDEX AF 700 is a solvent free adhesive for adhering linoleum and tile floorcoverings. ARDEX AF 700 has excellent wet grab, an exceptionally long tack time and very good early and long term adhesive strength.

Coverage:

Notch size (mm)	m ² /litre	m ² /15 litre unit
1.5 x 5	4 approximately	60 approximately

Open time: Up to 20 minutes depending on room temperature/humidity and absorbency of the sub-floor

Underfloor Heating: Yes

Colour: Brown

Storage: Shelf life of 12 months if stored in good conditions between 5°C and 30°C in original unopened containers

Packaging: Available in 15 litre tubs.

ARDEX AF 890

Surface Tackifier



ARDEX AF 890 is a solvent free surface tackifier for adhering floorcoverings with felt, bitumen, PVC and other polymer backings, and is ideal for carpet tiles.

Coverage: Typically 7m² per litre (105m²/15 litre pail) using short pile roller application, up to 10m² when spray applied (up to 160m²/15 litre pail)

Drying time: 20 minutes under good site conditions - note this depends on room temperature/humidity and absorbency of the sub-floor

Underfloor Heating: Yes

Colour: Milky white, turning to clear when dry

Storage: Shelf life of 12 months if stored in good conditions between 5°C and 30°C in original unopened containers

Packaging: Available in 15 litre pails.



ARDEX AF 2300

Adhesive for up to 4mm Thick Rubber Floorcoverings



ARDEX AF 2300 is a solvent free adhesive for rubber floorcoverings, with exceptionally high yield. ARDEX AF 2300 has excellent early and long term adhesive strength and an innovative formulation that allows rubber floorcovering installation without the need for the adhesive to develop tack.

Coverage:

Notch size (mm)	m ² /litre	m ² /15 litre unit
A2	4 approximately	60 approximately
1.5 x 5	4 approximately	60 approximately

Open/drying time: Up to 15 minutes depending on room temperature/humidity and absorbency of the sub-floor

Underfloor Heating: Yes

Colour: Cream

Storage: Shelf life of 12 months if stored in good conditions between 5°C and 30°C in original unopened containers

Packaging: Available in 15 litre tubs.

ARDEX AF 2510

Two Component Polyurethane Floorcovering Adhesive



ARDEX AF 2510 is virtually emission free, and water resistant when fully cured. ARDEX AF 2510 has a high heat resistance making it ideal for use in retail environments behind glass facades. Its high strength means that ARDEX AF 2510 is perfect for surfaces subject to high loads such as industrial premises or sports centres, as well as wet or external areas.

Coverage:

Notch size (mm)	m ² /litre	m ² /5 litre unit
See data sheet for details		

Pot Life: 45 - 60 minutes

Underfloor Heating: Yes

Colour: Cream

Storage: Shelf life of 12 months if stored in good conditions between 5°C and 30°C in original unopened containers

Packaging: Available in 6kg plastic buckets.



These overviews show some of the systems that can be used for various circumstances. These should only be used in conjunction with the guidance given in the current ARDEX data sheets for the individual products shown. Detailed design data sheets are available for some of the key systems and site specific guidance can be provided by contacting your local ARDEX Area Sales Manager or the ARDEX Technical Services Department.

Other combinations of floorcovering adhesives and screeds/smoothing compounds may be suitable, please consult the individual product data sheets for further information.

SUBSTRATE	DEPTH	ARDEX SYSTEM
SUSPENDED FLOOR OR DIRECT TO GROUND BASE WITH DAMP PROOF MEMBRANE PRESENT AND EFFECTIVE - SUB FLOOR DRY		
Concrete or cement/sand screed	1.5mm - 10mm	SYSTEM 2 - P40
	> 15mm	SYSTEM 1 or 3 - P39/P41
	> 3mm	SYSTEM 6, 7 - P44/P45
	0mm - 50mm	SYSTEM 4 - P42
Poorly compacted low strength cement/sand screed	> 3mm	SYSTEM 5 - P43
Heated concrete or cement/sand screed	> 65mm	SYSTEM 15 - P53
Existing Terrazzo, Quarry and Ceramic Tiles	> 3mm	SYSTEM 11 or 12 - P49/P50
Anhydrite-based screeds	> 2mm	SYSTEM 13 - P51
Asphalt	3mm - 10mm	SYSTEM 14 - P52
Timber Floors	0mm - 3mm	SYSTEM 8 - P46
	3mm - 20mm	SYSTEM 9 - P47
	> 3mm	SYSTEM 10 - P48
DAMP PROOF MEMBRANE MISSING OR EFFECTIVE - SUB FLOOR DAMP		
Concrete	> 40mm	SYSTEM 16 or 17 - P54/P55
Concrete or cement/sand screed	3mm - 36mm	SYSTEM 18 - P56
	3mm - 6mm	SYSTEM 20 - P58
	2mm - 26mm	SYSTEM 19 - P57
	0mm - 50mm	SYSTEM 21 - P59
	20mm - 46mm	SYSTEM 22 - P60
Poorly compacted low strength cement/sand screed	3mm - 6mm	SYSTEM 25 - P63
Power floated concrete or dense cement/sand screed	3mm - 6mm	SYSTEM 23 or 24 - P61/P62

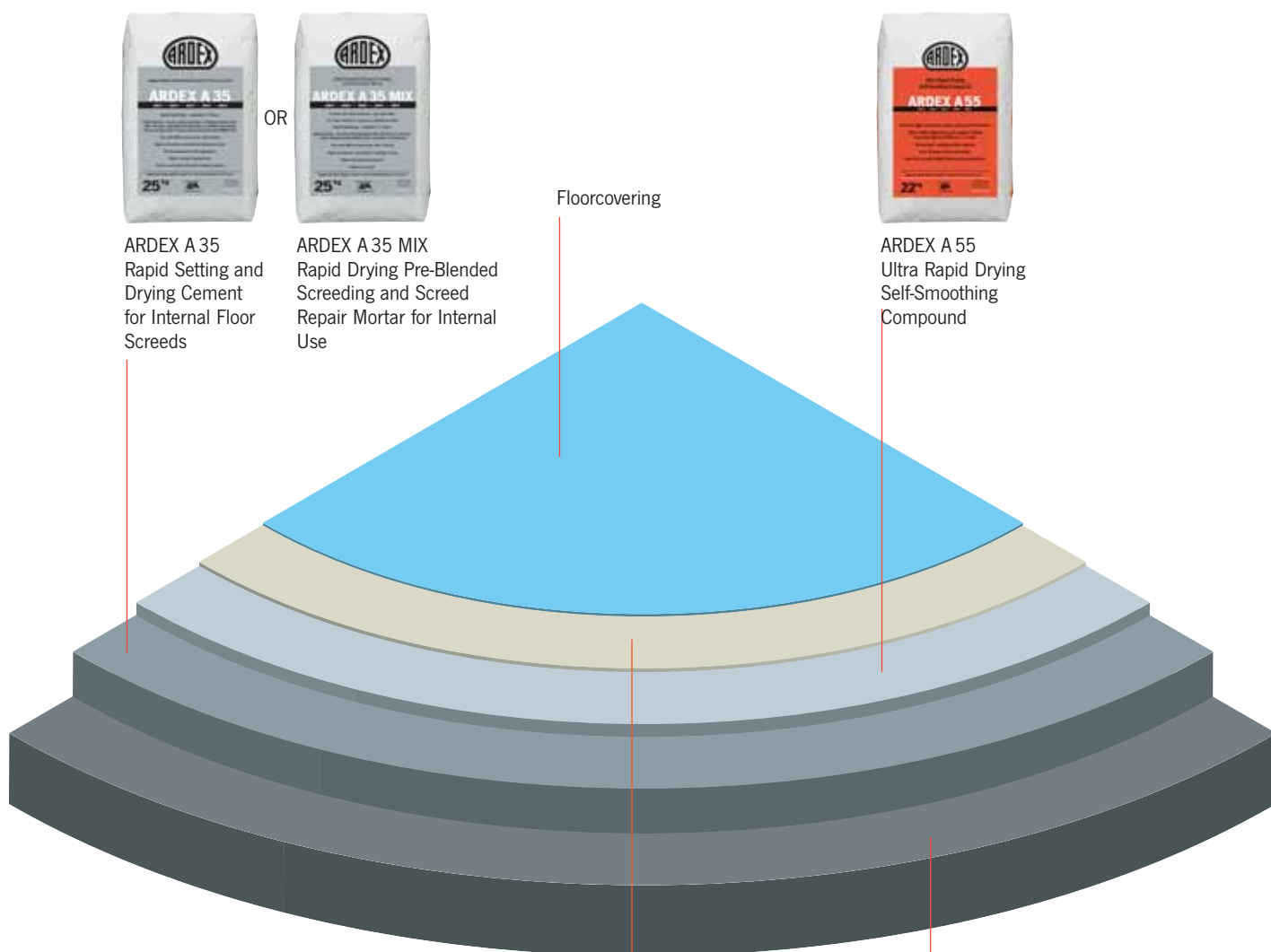
Ultra Rapid Screeding and Levelling

At least 15mm required (requires screed)

Suspended Floor or Direct to Ground Base with Damp Proof Membrane Present and Effective – sub-floor dry



- Sub-floor composition: Concrete or cement/sand screed



OR



ARDEX A 35
Rapid Setting and
Drying Cement
for Internal Floor
Screeds

ARDEX A 35 MIX
Rapid Drying Pre-Blended
Screeding and Screed
Repair Mortar for Internal
Use



ARDEX A 55
Ultra Rapid Drying
Self-Smoothing
Compound

This system will allow the floorcovering to be installed in as little as 4 hours from completion of screeding, even for full depth ARDEX A 35/A 35 MIX screeds.



Existing dry, prepared concrete base for bonded screed or with slip membrane/DPM for unbonded screed.

FOR ADHESIVES USAGE SEE CHART ON PAGE 32



Flooring System 2

Ultra Rapid Floor Levelling/Smoothing

From 1.5mm to 10mm required

Suspended Floor or Direct to Ground Base with Damp Proof Membrane Present and Effective – sub-floor dry



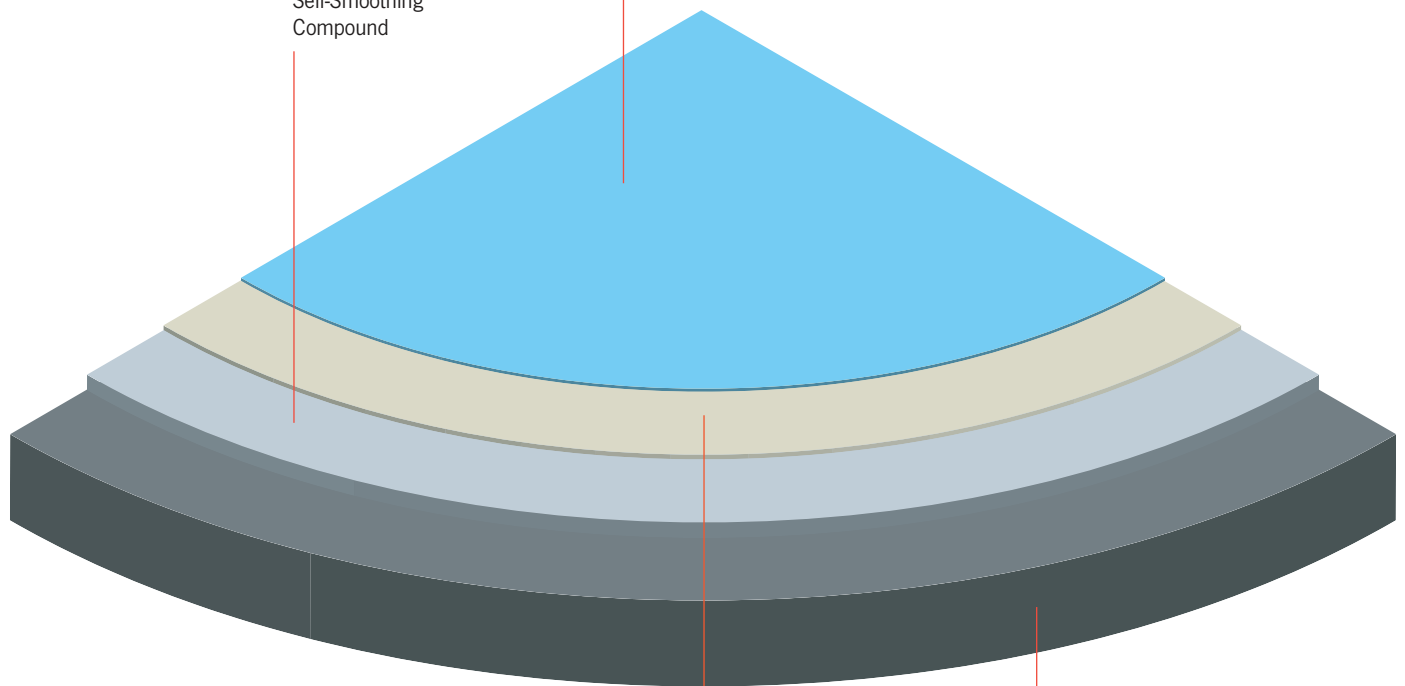
SYSTEMARDEX
PREMIUM PERFORMANCE

- Sub-floor composition: Concrete or cement/sand screed



ARDEX A55
Ultra Rapid Drying
Self-Smoothing
Compound

Floorcovering



This system will allow the floorcovering to be installed in as little as 1½ hours after application of ARDEX A55 is complete.

Existing clean, sound, dry screed or dry prepared concrete base



FOR ADHESIVES USAGE SEE CHART ON PAGE 32

Rapid Screeding and Levelling of Large Areas

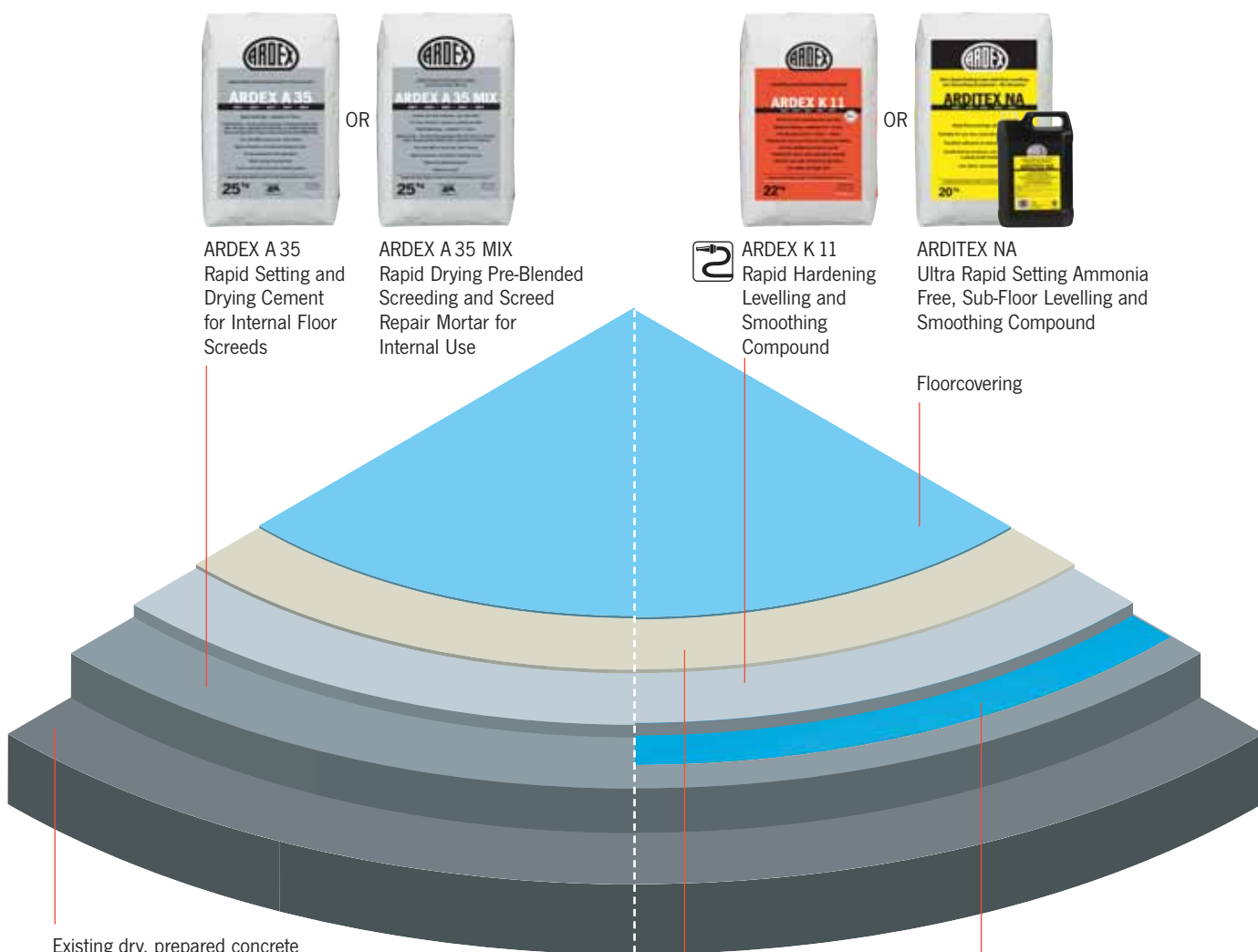
At least 15mm required



SYSTEM ARDEX
PREMIUM PERFORMANCE

Suspended Floor or Direct to Ground Base with Damp Proof Membrane Present and Effective – sub-floor dry

- Sub-floor composition: Concrete or cement/sand screed



ARDEX A 35
Rapid Setting and Drying Cement for Internal Floor Screeds



ARDEX A 35 MIX
Rapid Drying Pre-Blended Screeding and Screed Repair Mortar for Internal Use



ARDEX K 11
Rapid Hardening Levelling and Smoothing Compound



ARDITEX NA
Ultra Rapid Setting Ammonia Free, Sub-Floor Levelling and Smoothing Compound

The ARDEX A 35 cement/sand screed will be dry enough after 1 day to be smoothed with an appropriate smoothing compound. After a further day, to allow the smoothing compound to dry, the floorcovering may be applied.



FOR ADHESIVES USAGE SEE CHART ON PAGE 32

ARDEX P 51 Primer
Not required for **ARDITEX NA**





Flooring System 4

Rapid Screeding and Smoothing

For ramping 0 to 50mm

Suspended Floor or Direct to Ground Base with Damp Proof Membrane Present and Effective – sub-floor dry

- Sub-floor composition: Concrete or cement/sand screed



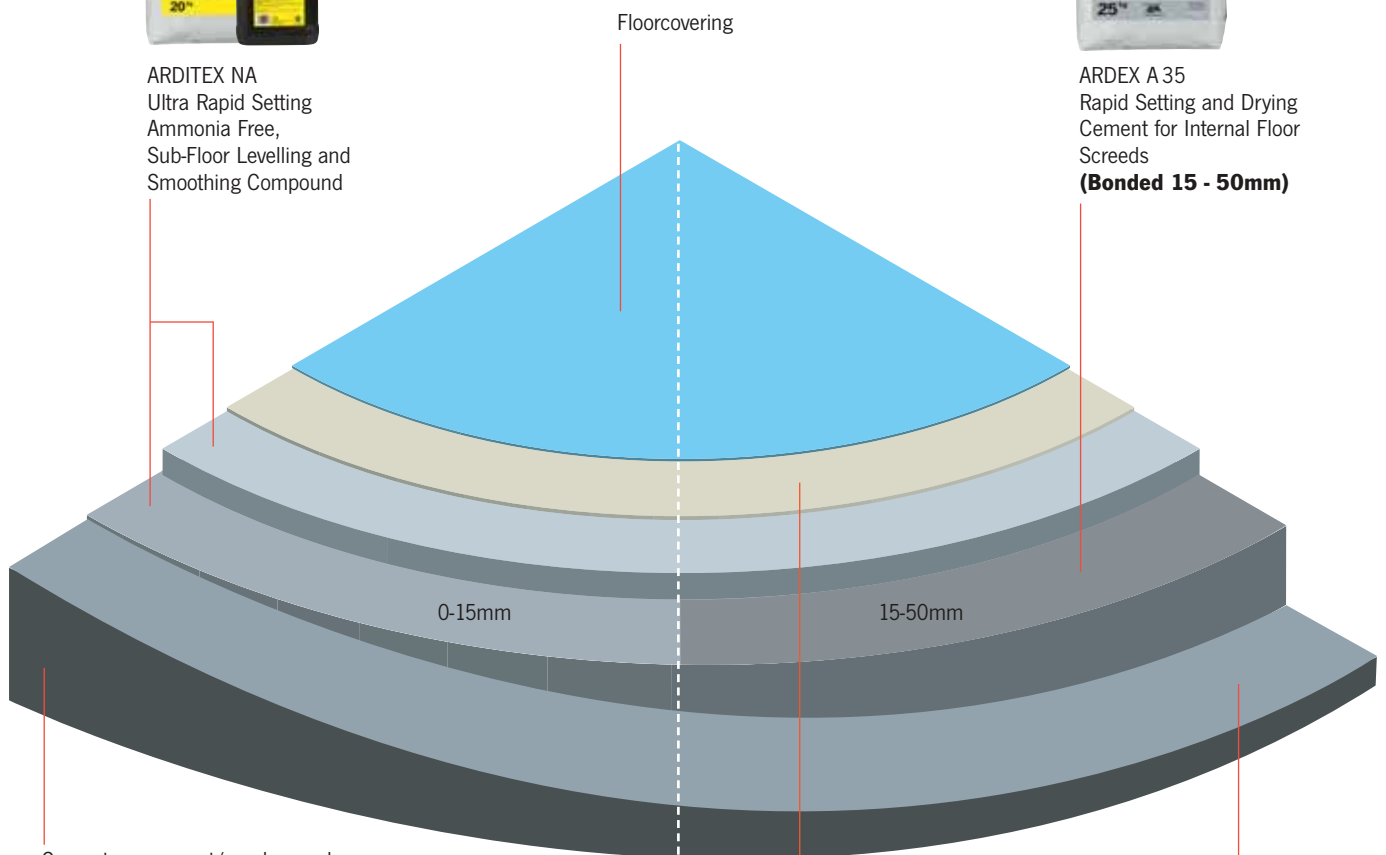
SYSTEM ARDEX
PREMIUM PERFORMANCE



ARDITEX NA
Ultra Rapid Setting
Ammonia Free,
Sub-Floor Levelling and
Smoothing Compound



ARDEX A 35
Rapid Setting and Drying
Cement for Internal Floor
Screeds
(Bonded 15 - 50mm)



The ARDEX A 35 cement/sand screed will be dry enough after 1 day to be smoothed with an appropriate smoothing compound. After a further day, to allow the smoothing compound to dry, the floorcovering may be applied.

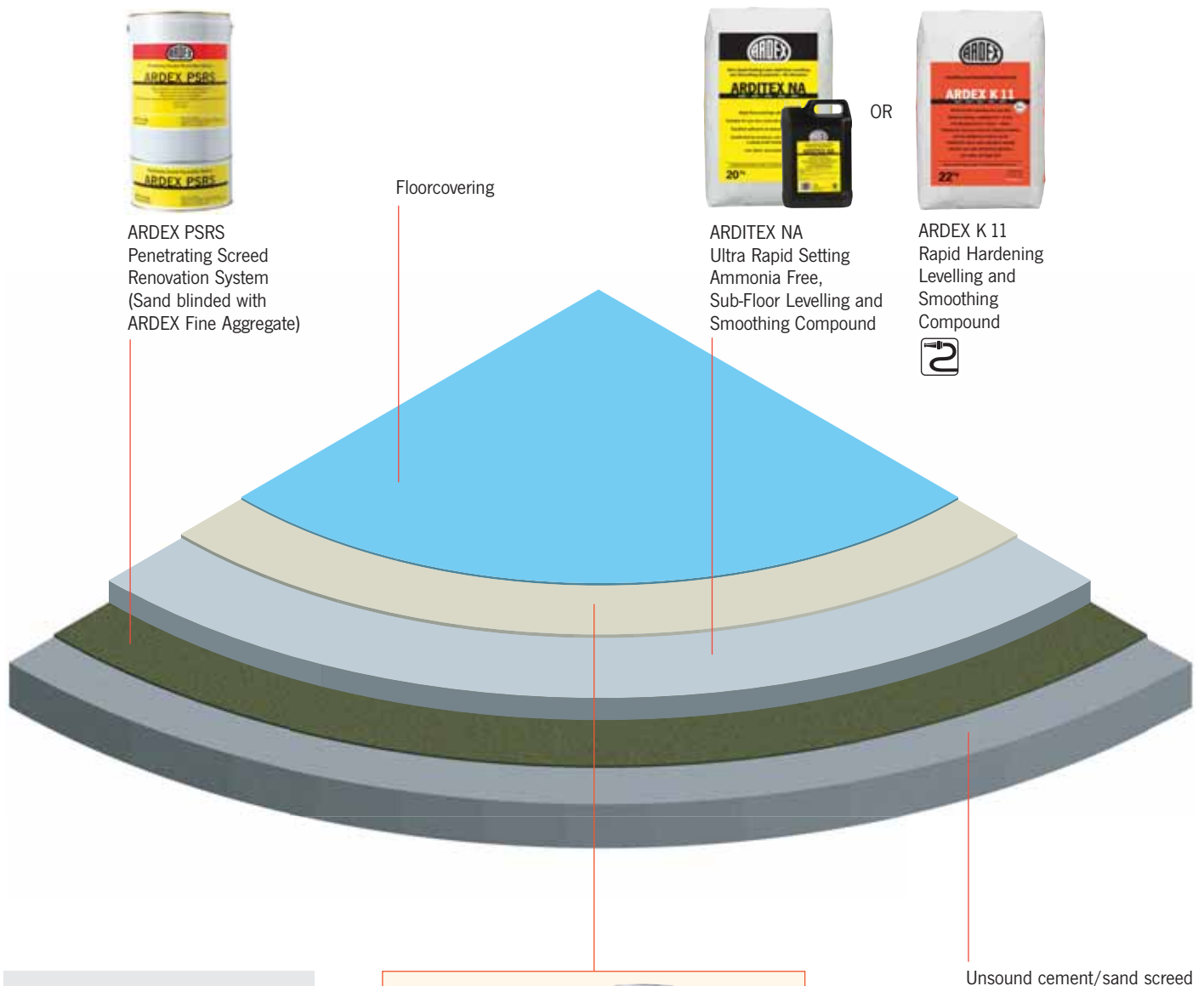


Rapid Screed Renovation System

Suspended Floor or Direct to Ground Base with Damp Proof Membrane Present and Effective – sub-floor dry



- Sub-floor composition: Cement/sand screed



ARDEX PSRS
Penetrating Screed Renovation System (Sand blinded with ARDEX Fine Aggregate)



ARDITEX NA
Ultra Rapid Setting Ammonia Free, Sub-Floor Levelling and Smoothing Compound



ARDEX K 11
Rapid Hardening Levelling and Smoothing Compound

OR



If an ultra rapid drying self-levelling compound is required use ARDEX A 55.

The existing cement/sand screed should be mechanically prepared by scabbling, followed by grinding to remove dense upper layers and old underlayments and adhesive residues.



FOR ADHESIVES USAGE SEE CHART ON PAGE 32



Flooring System 6

Rapid Levelling/Smoothing System

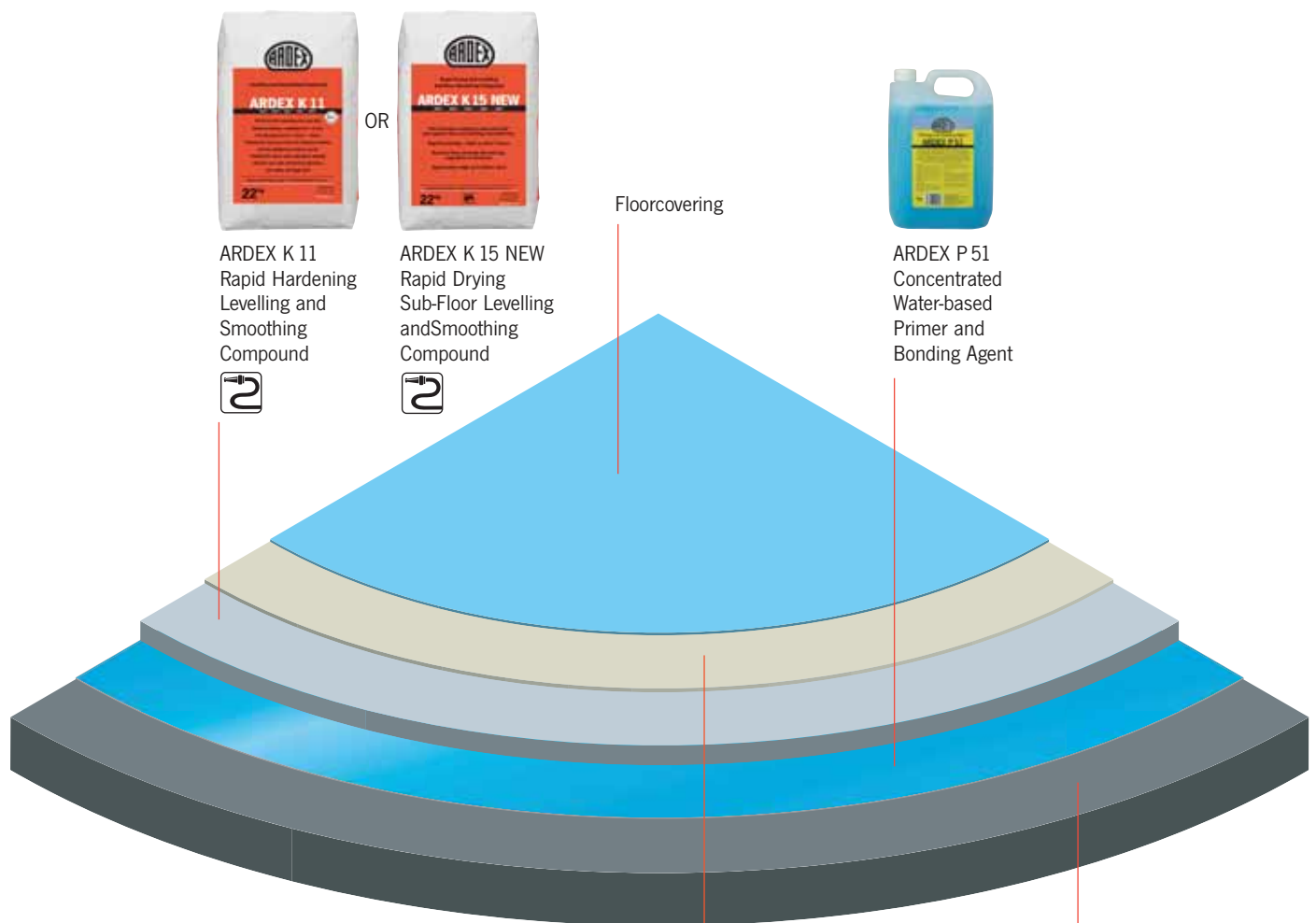
Minimum 3mm



SYSTEM ARDEX
PREMIUM PERFORMANCE

Suspended Floor or Direct to Ground Base with Damp Proof Membrane Present and Effective – sub-floor dry

- Sub-floor composition: Concrete or cement/sand screed



OR



ARDEX K 11
Rapid Hardening
Levelling and
Smoothing
Compound



ARDEX K 15 NEW
Rapid Drying
Sub-Floor Levelling
and Smoothing
Compound



ARDEX P 51
Concentrated
Water-based
Primer and
Bonding Agent

ARDEX K 15 NEW will be dry enough irrespective of thickness of application to receive floorcoverings after 1 day. ARDEX K15-NEW may be pumped.

For thicknesses over 10mm, aggregate may be incorporated, or alternatively consult the ARDEX K15-HB datasheet.



Existing clean, sound, dry screed or concrete base.

FOR ADHESIVES USAGE SEE CHART ON PAGE 32

General Purpose Latex Smoothing System

Suspended Floor or Direct to Ground Base with Damp Proof Membrane Present and Effective – sub-floor dry



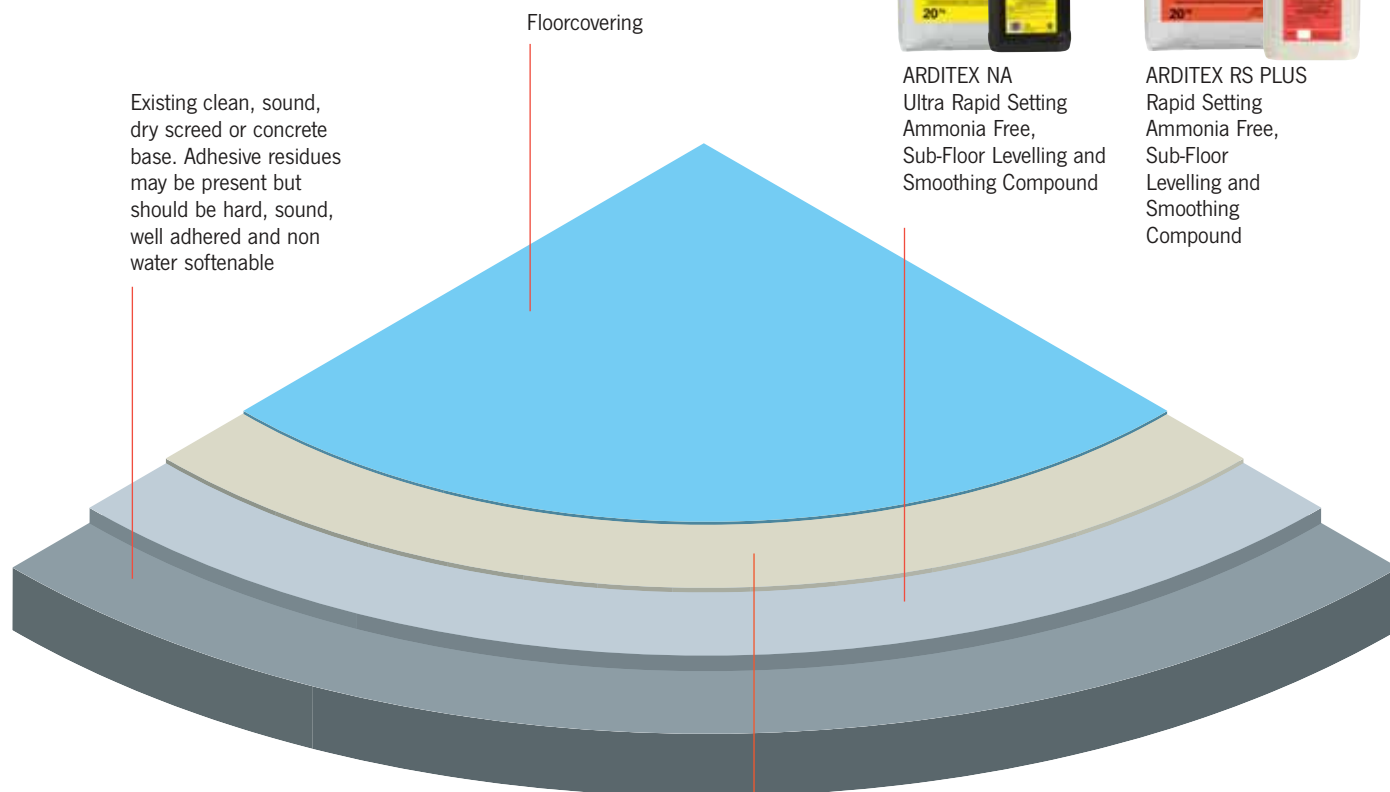
SYSTEM ARDEX
PREMIUM PERFORMANCE

- Sub-floor composition: Concrete or cement/sand screed



ARDITEX NA
Ultra Rapid Setting
Ammonia Free,
Sub-Floor Levelling and
Smoothing Compound

ARDITEX RS PLUS
Rapid Setting
Ammonia Free,
Sub-Floor
Levelling and
Smoothing
Compound



Drying time depends on ambient conditions and thickness of ARDITEX NA applied. A 3mm layer is dry enough to receive floorcoverings after 4 hours under good conditions.



FOR ADHESIVES USAGE SEE CHART ON PAGE 32



Flooring System 8

Ultra Rapid Smoothing of Joints, Nail Holes, Gouges, etc.



SYSTEM ARDEX
PREMIUM PERFORMANCE

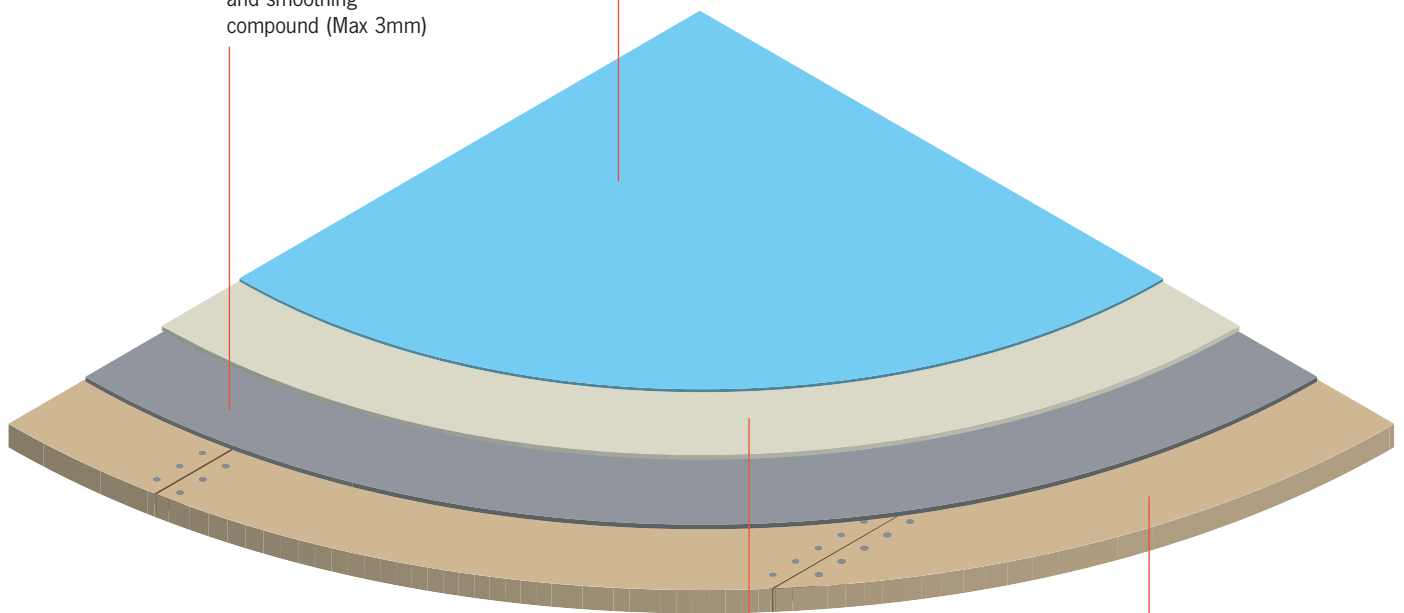
Suspended Timber Sub-Floor dry and ventilated beneath

- Sub-floor composition: Timber - Flooring grade plywood or timber floorboards



ARDEX FEATHER FINISH
Rapid drying patching
and smoothing
compound (Max 3mm)

Floorcovering



The floorcovering may be applied in as little as 15 minutes following a scratch application of ARDEX FEATHER FINISH.

Clean, sound flooring grade plywood requiring smoothing



FOR ADHESIVES USAGE SEE CHART ON PAGE 32

Rapid Levelling and Smoothing of Timber Floors



SYSTEMARDEX
PREMIUM PERFORMANCE

Suspended Timber Sub-Floor dry and ventilated beneath

- Sub-floor composition: Timber - Flooring grade plywood or timber floorboards

MICROTEC®
fibre reinforced technology



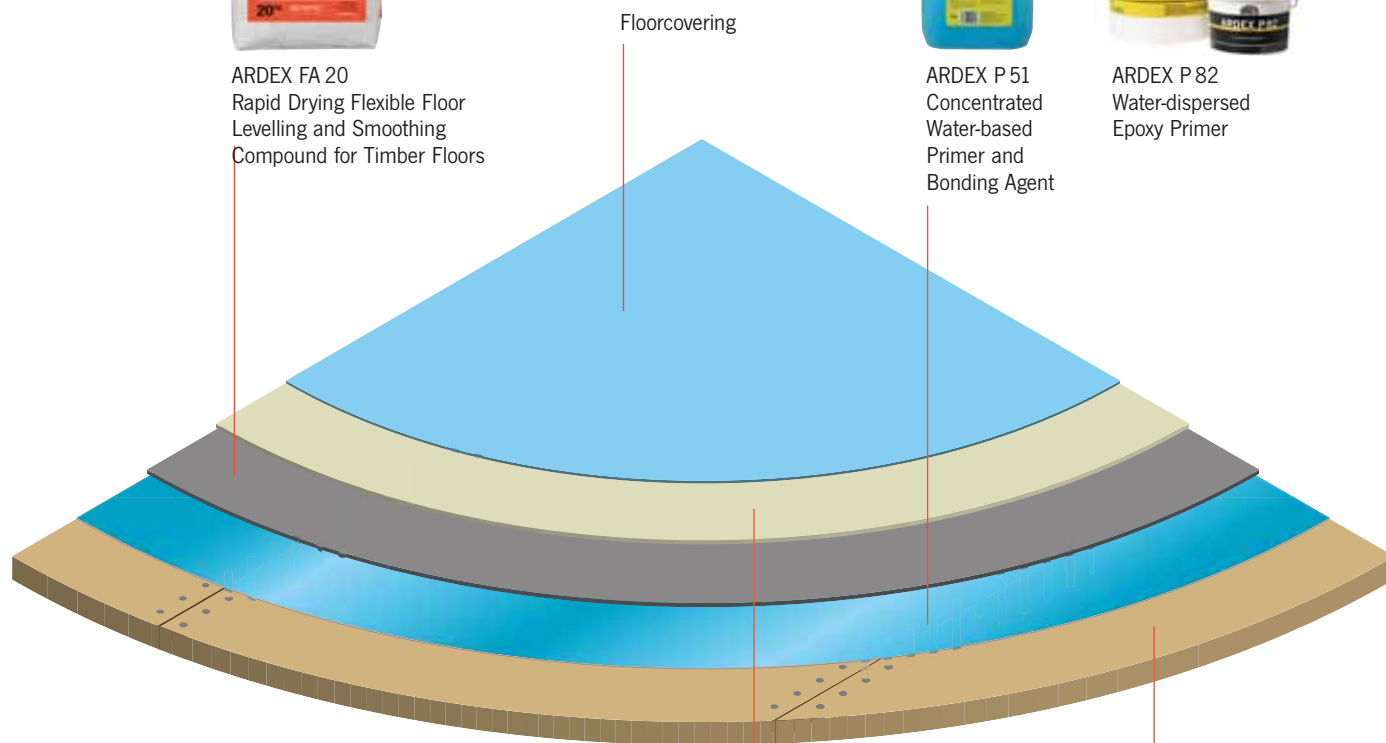
ARDEX FA 20
Rapid Drying Flexible Floor
Levelling and Smoothing
Compound for Timber Floors



ARDEX P 51
Concentrated
Water-based
Primer and
Bonding Agent



ARDEX P 82
Water-dispersed
Epoxy Primer



FOR ADHESIVES USAGE SEE CHART ON PAGE 32



Flooring System 10

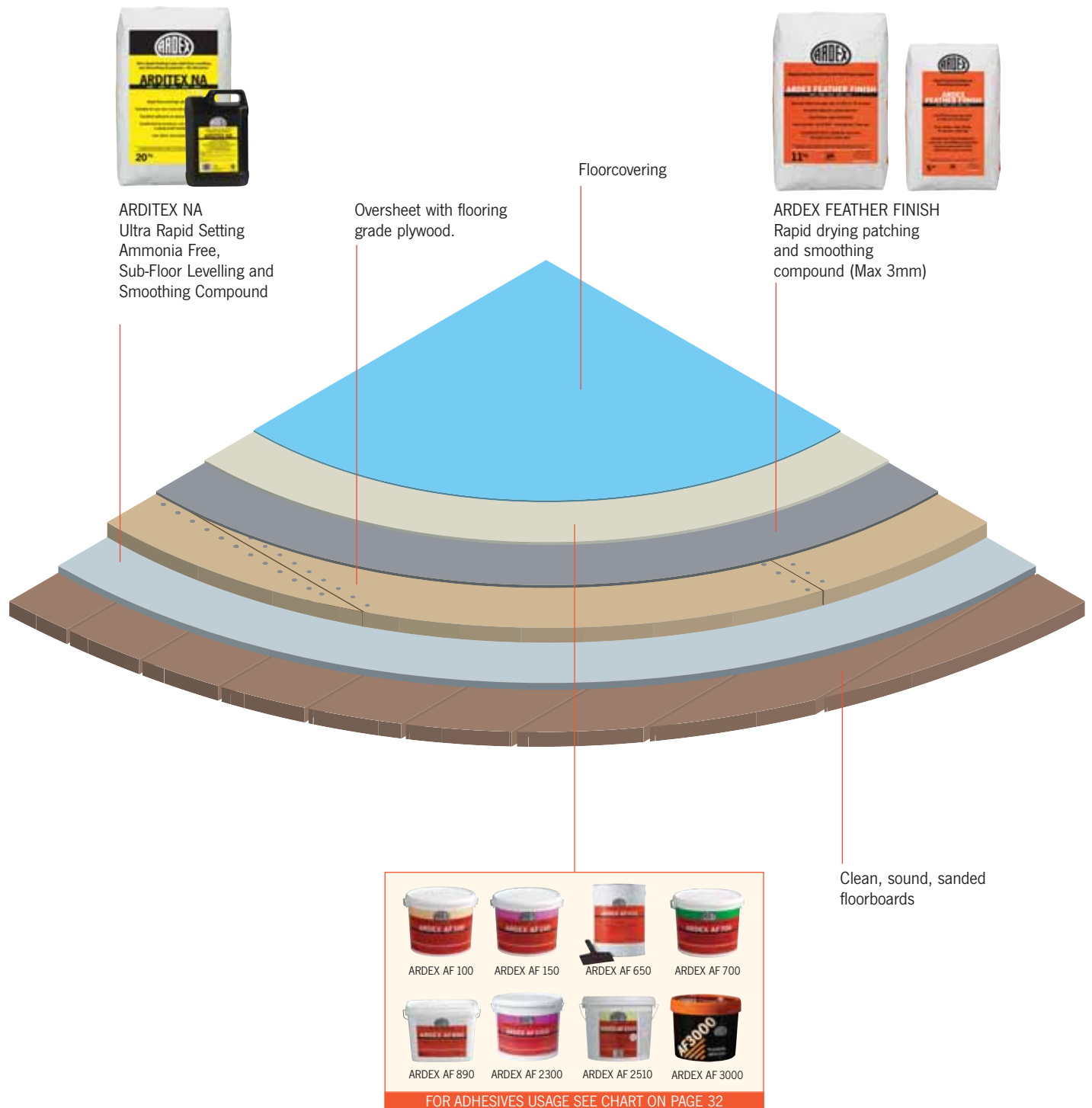
Rapid Levelling and Smoothing of Timber Floors

Suspended Timber Sub-Floor dry and ventilated beneath



SYSTEMARDEX
PREMIUM PERFORMANCE

- Sub-floor composition: Timber - Flooring grade plywood or timber floorboards

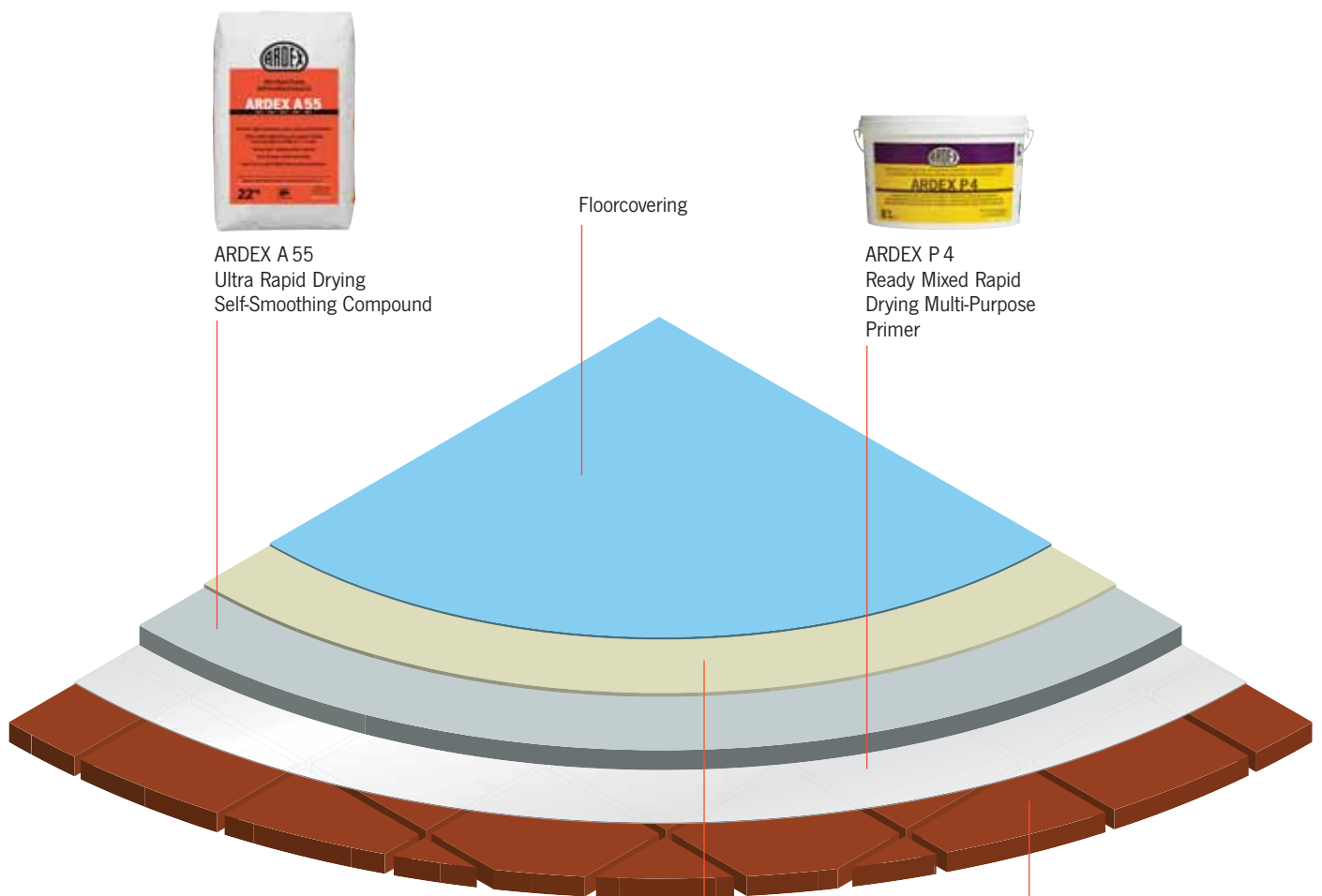


Ultra Rapid Levelling and Smoothing

Suspended Floor or Direct to Ground Base with Damp Proof Membrane Present and Effective – sub-floor dry



- **Sub-floor composition: Non absorbent substrate, e.g. quarry, ceramic, porcelain, stone or terrazzo finishes**



ARDEX A 55
Ultra Rapid Drying
Self-Smoothing Compound



ARDEX P 4
Ready Mixed Rapid
Drying Multi-Purpose
Primer

This system will allow the floorcovering to be installed in as little as 1½ hours after application of ARDEX A 55 is complete.



Prepared and clean, sound, dry terrazzo, ceramic, porcelain, natural stone or quarry tile substrate (functioning DPM present)

FOR ADHESIVES USAGE SEE CHART ON PAGE 32



Flooring System 12



SYSTEMARDEX
PREMIUM PERFORMANCE

Rapid Levelling and Smoothing

Suspended Floor or Direct to Ground Base with Damp Proof Membrane Present and Effective – sub-floor dry

- **Sub-floor composition: Non absorbent substrate, e.g. quarry, ceramic, porcelain, stone or terrazzo finishes**

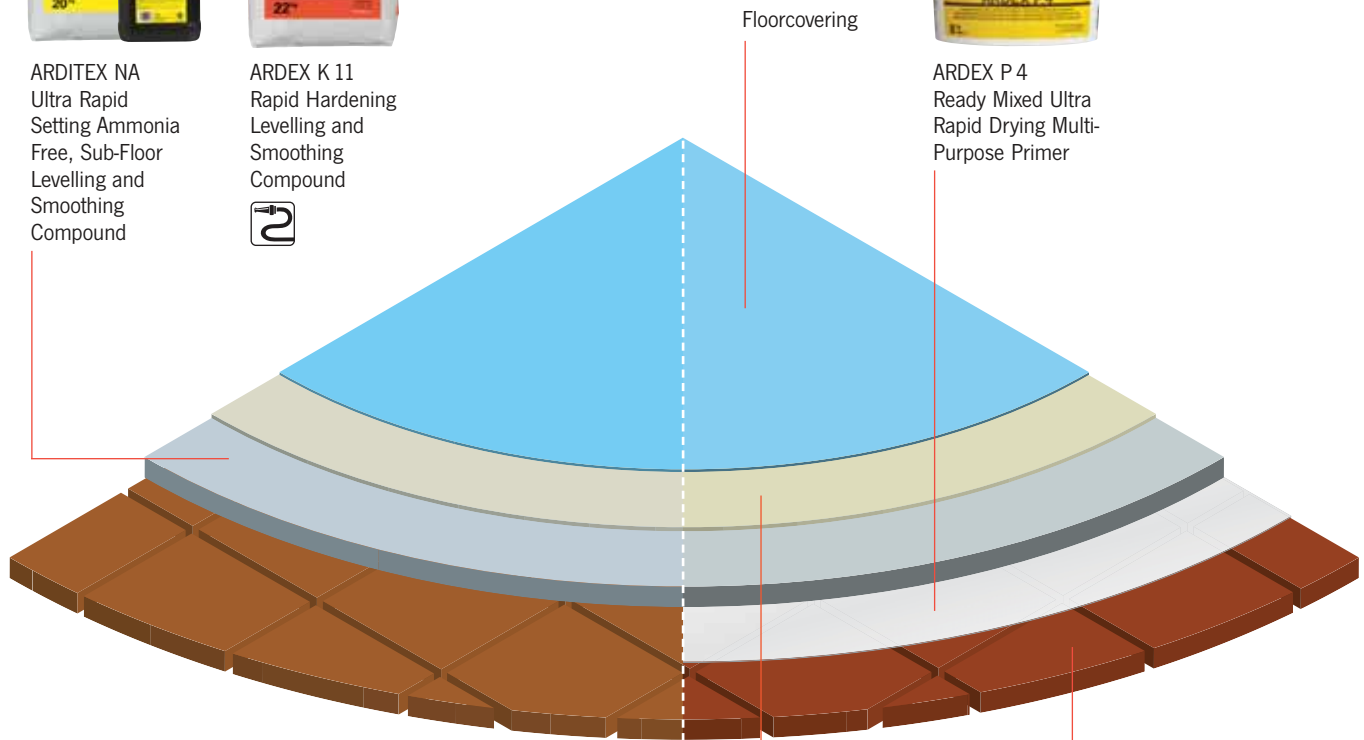


ARDITEX NA
Ultra Rapid
Setting Ammonia
Free, Sub-Floor
Levelling and
Smoothing
Compound

ARDEX K 11
Rapid Hardening
Levelling and
Smoothing
Compound



ARDEX P 4
Ready Mixed Ultra
Rapid Drying Multi-
Purpose Primer



Drying time depends on application thickness of ARDITEX NA. For ARDEX K 11 the floorcovering may be applied after 24 hours.

If a rapid drying smoothing compound is required, use ARDEX K15-NEW



FOR ADHESIVES USAGE SEE CHART ON PAGE 32

Prepared and clean, sound, dry terrazzo, ceramic, porcelain, natural stone or quarry tile substrate (functioning DPM present)

Rapid Levelling and Smoothing

Suspended Floor or Direct to Ground Base with Damp Proof Membrane Present and Effective – sub-floor dry



- Sub-floor composition: Anhydrite screeds



ARDITEX NA
Ultra Rapid
Setting Ammonia
Free, Sub-Floor
Levelling and
Smoothing
Compound

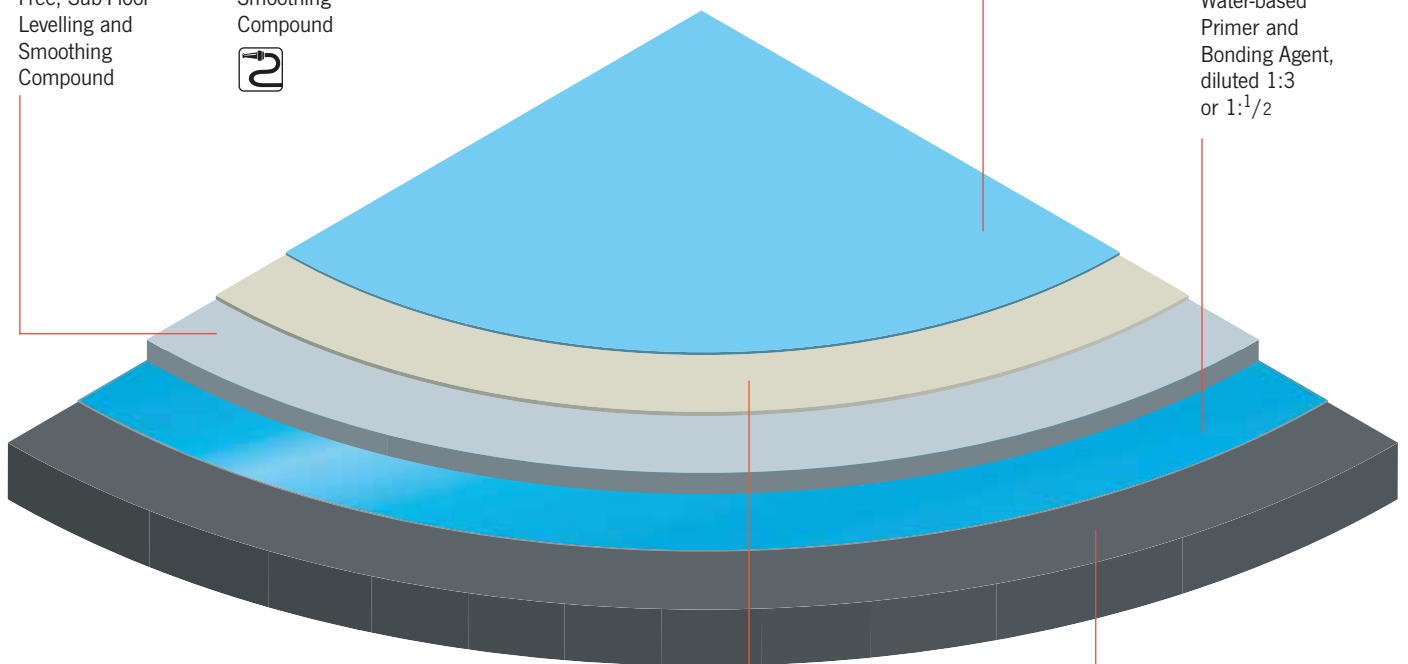
OR

ARDEX K 11
Rapid Hardening
Levelling and
Smoothing
Compound



ARDEX P 51
Concentrated
Water-based
Primer and
Bonding Agent,
diluted 1:3
or 1:1/2

Floorcovering



Drying time depends on application thickness of ARDITEX NA. For ARDEX K 11 the floorcovering may be applied after 24 hours. If a rapid drying smoothing compound is required use ARDEX K 15 NEW.

Dry, sound, appropriately prepared anhydrite screed



FOR ADHESIVES USAGE SEE CHART ON PAGE 32



Flooring System 14

Rapid Levelling and Smoothing

Suspended Floor or Direct to Ground Base with Damp Proof Membrane Present and Effective – sub-floor dry



SYSTEMARDEX
PREMIUM PERFORMANCE

- Sub-floor composition: Hard flooring grade asphalt (indoor)

MICROTEC®
fibre reinforced technology



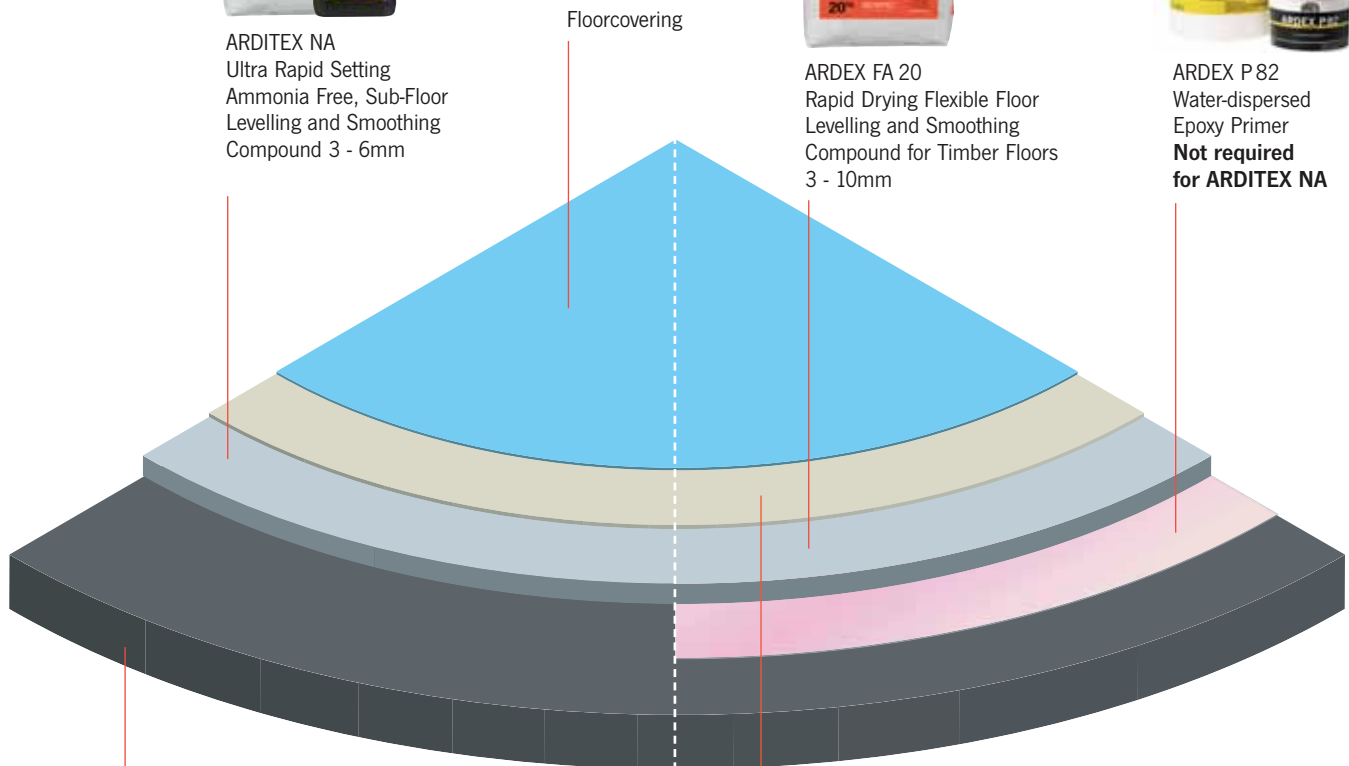
ARDITEX NA
Ultra Rapid Setting
Ammonia Free, Sub-Floor
Levelling and Smoothing
Compound 3 - 6mm



ARDEX FA 20
Rapid Drying Flexible Floor
Levelling and Smoothing
Compound for Timber Floors
3 - 10mm



ARDEX P82
Water-dispersed
Epoxy Primer
**Not required
for ARDITEX NA**



Clean, sound asphalt
surface (Flooring grade 1)

Drying time depends on application
thickness of ARDITEX NA.
For ARDEX FA20, the floorcovering may be
applied after 24 hours.



FOR ADHESIVES USAGE SEE CHART ON PAGE 32

Rapid Drying Screed with Self Smoothing Compound and Underfloor Heating



Suspended Floor or Direct to Ground Base with Damp Proof Membrane Present and Effective – sub-floor dry

- Sub-floor composition: Concrete or cement/sand screeds



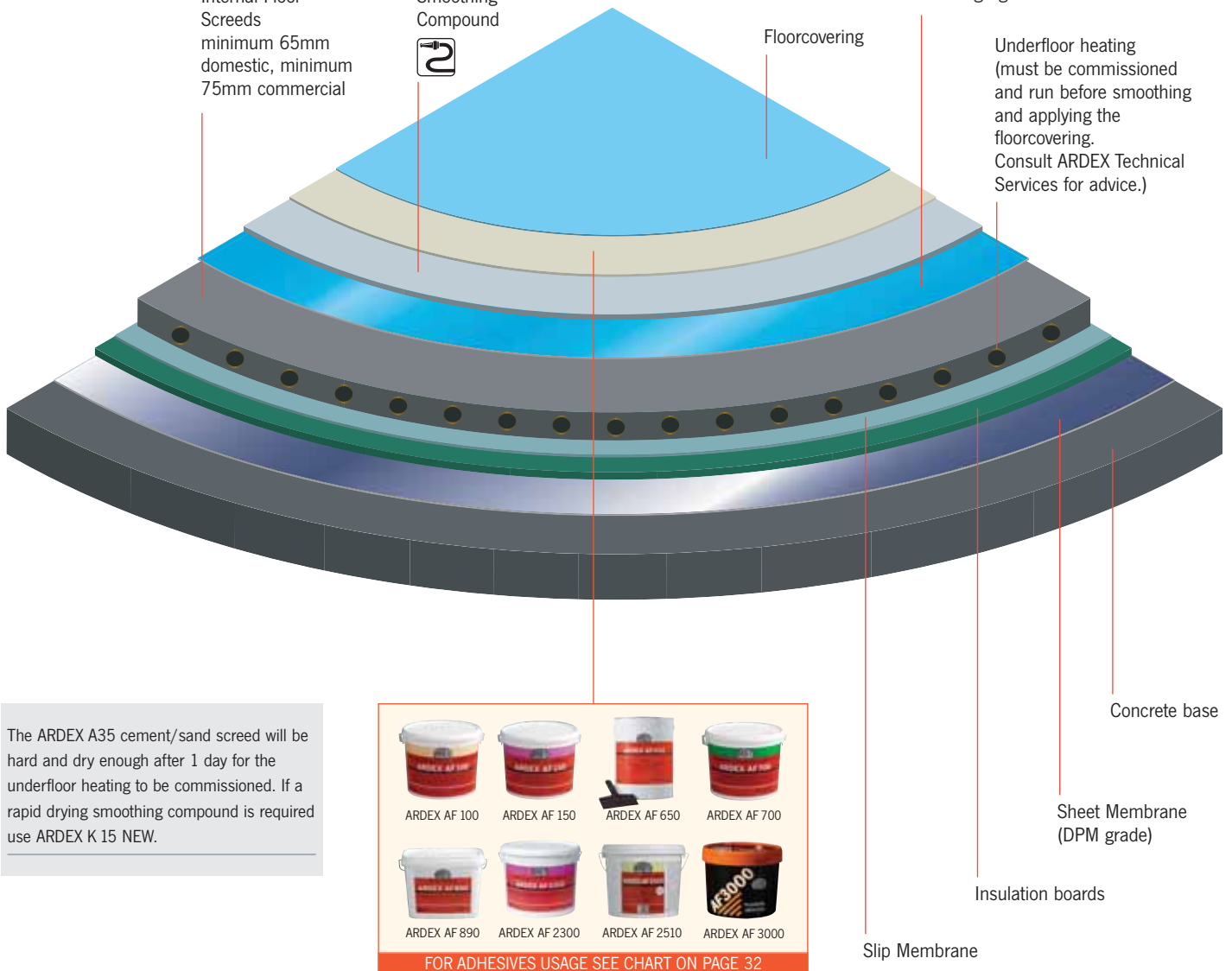
ARDEX A 35
Rapid Setting and Drying Cement for Internal Floor Screeds
minimum 65mm domestic, minimum 75mm commercial



ARDEX K 11
Rapid Hardening Levelling and Smoothing Compound



ARDEX P 51
Concentrated Water-based Primer and Bonding Agent



The ARDEX A35 cement/sand screed will be hard and dry enough after 1 day for the underfloor heating to be commissioned. If a rapid drying smoothing compound is required use ARDEX K 15 NEW.



FOR ADHESIVES USAGE SEE CHART ON PAGE 32



Flooring System 16



SYSTEMARDEX
PREMIUM PERFORMANCE

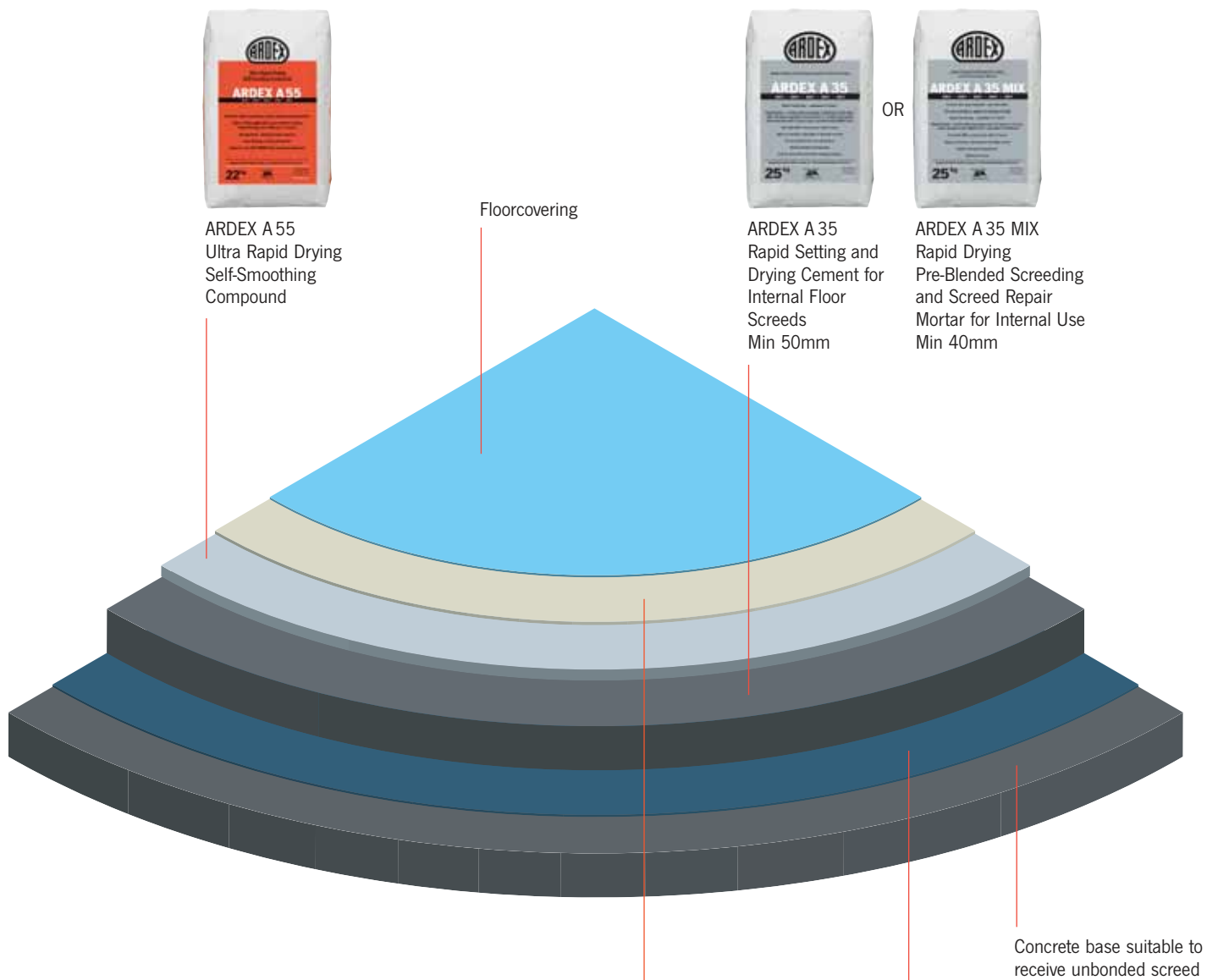
Ultra Rapid Screeding and Levelling

Minimum 40mm application depth

Particularly suitable for small area refurbishment and repairs

Damp Proof Membrane Missing or Ineffective – sub-floor damp

- Sub-floor composition: Concrete



ARDEX A 55
Ultra Rapid Drying
Self-Smoothing
Compound



ARDEX A 35
Rapid Setting and
Drying Cement for
Internal Floor
Screeds
Min 50mm



ARDEX A 35 MIX
Rapid Drying
Pre-Blended Screeding
and Screed Repair
Mortar for Internal Use
Min 40mm

OR

This system will allow the floorcovering to be installed in as little as 4 hours from completion of screeding even for full depth ARDEX A 35/A 35 MIX screeds.



FOR ADHESIVES USAGE SEE CHART ON PAGE 32

Polyethylene sheet
type DPM

Concrete base suitable to
receive unbonded screed

Ultra Rapid Screeding and Levelling

Minimum 40mm application depth



SYSTEMARDEX
PREMIUM PERFORMANCE

Damp Proof Membrane Missing or Ineffective – sub-floor damp

- Sub-floor composition: Concrete



ARDEX A 35
Rapid Setting and Drying Cement for Internal Floor Screeds
Min 50mm

OR

ARDEX A 35 MIX
Rapid Drying Pre-Blended Screeding and Screed Repair Mortar for Internal Use
Min 40mm

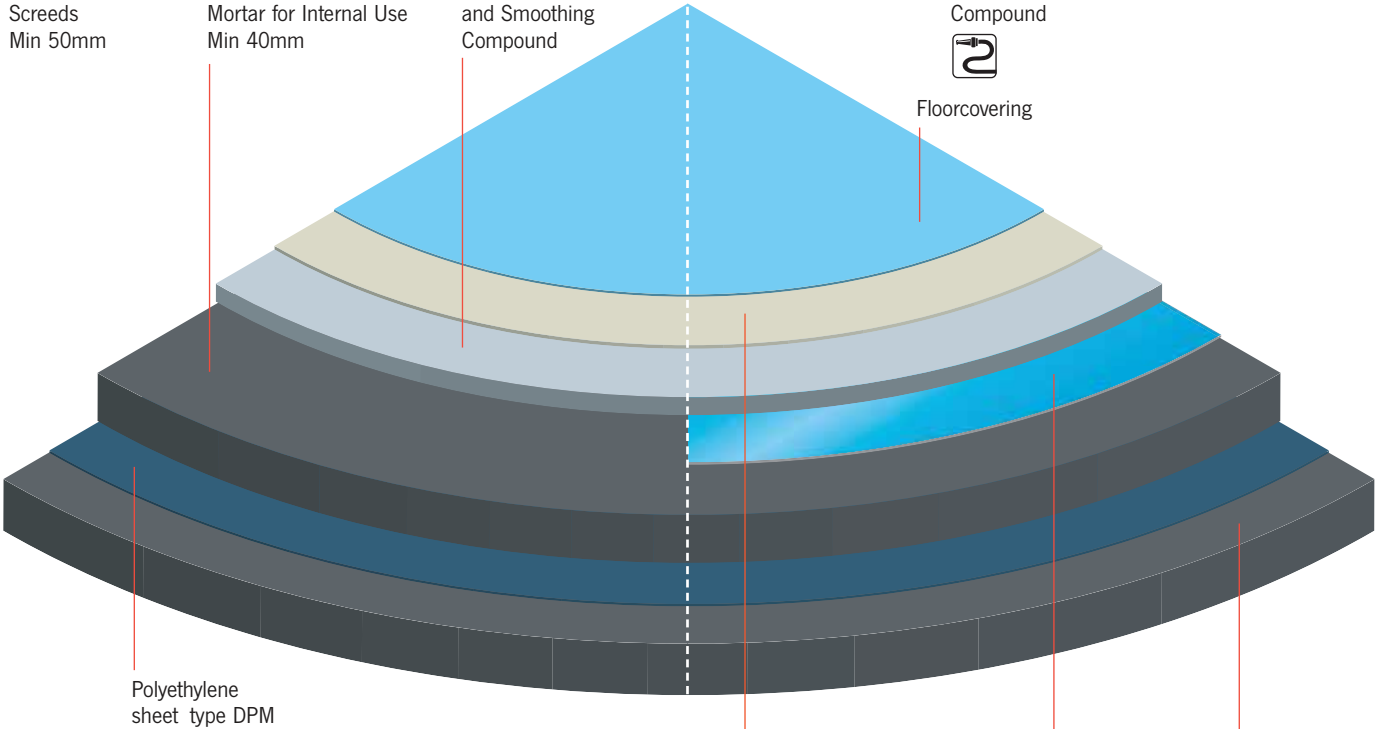
OR

ARDITEX NA
Ultra Rapid Setting Ammonia Free, Sub-Floor Levelling and Smoothing Compound

OR

ARDITEX RS PLUS
Rapid Setting Ammonia Free, Sub-Floor Levelling and Smoothing Compound

ARDEX K 11
Rapid Hardening Levelling and Smoothing Compound



Floorcovering

Polyethylene sheet type DPM

Concrete base suitable to receive unbonded screed

If a rapid drying smoothing compound is required use ARDEX K 15 NEW.



ARDEX P 51
Concentrated Water-based Primer and Bonding Agent (For ARDEX K 11 only)



Flooring System 18



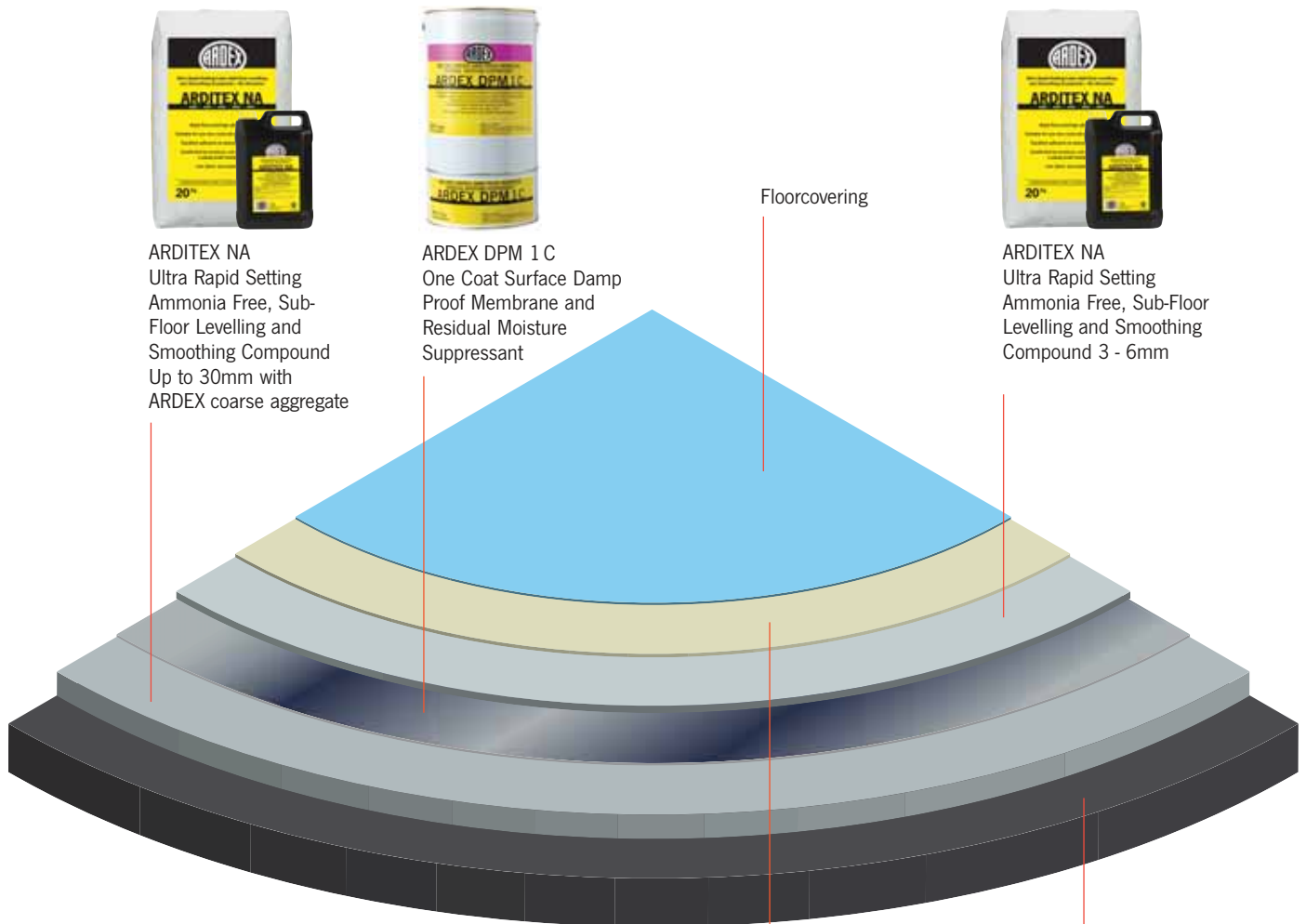
SYSTEM ARDEX
PREMIUM PERFORMANCE

General Purpose Latex Smoothing/Levelling and Surface DPM System

Threshold limitation only allow 3mm - 36mm

Damp Proof Membrane Missing or Ineffective – sub-floor damp

- Sub-floor composition: Concrete or cement/sand screed



ARDITEX NA
Ultra Rapid Setting
Ammonia Free, Sub-
Floor Levelling and
Smoothing Compound
Up to 30mm with
ARDEX coarse aggregate



ARDEX DPM 1 C
One Coat Surface Damp
Proof Membrane and
Residual Moisture
Suppressant



ARDITEX NA
Ultra Rapid Setting
Ammonia Free, Sub-Floor
Levelling and Smoothing
Compound 3 - 6mm

The ARDEX DPM 1 C may be installed within 24 hours after the initial layer of ARDITEX NA is applied.

Note: ARDITEX NA must be applied within 48 hours after the application of ARDEX DPM 1 C.

Note: If thicknesses greater than 6mm are required, prime with ARDEX R3E Epoxy Primer and sand key with ARDEX Fine Aggregate before using the appropriate smoothing compound.



Prepared concrete or existing cement/sand screed

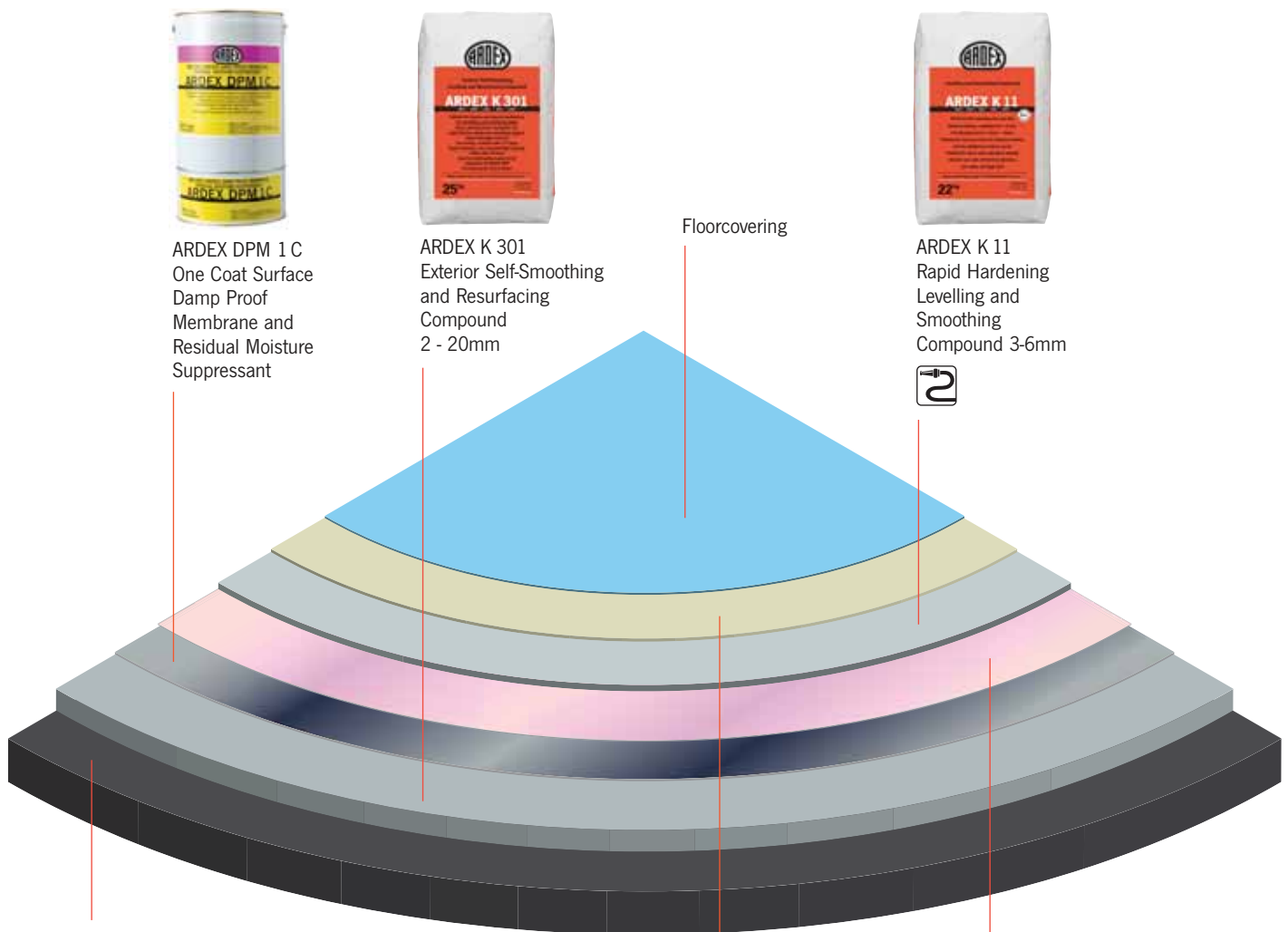
FOR ADHESIVES USAGE SEE CHART ON PAGE 32

Rapid Smoothing/Levelling System with ARDEX DPM

Threshold limitation 2mm - 26mm

Damp Proof Membrane Missing or Ineffective – sub-floor damp

- Sub-floor composition: Concrete or cement/sand screed



ARDEX DPM 1 C
One Coat Surface
Damp Proof
Membrane and
Residual Moisture
Suppressant



ARDEX K 301
Exterior Self-Smoothing
and Resurfacing
Compound
2 - 20mm



ARDEX K 11
Rapid Hardening
Levelling and
Smoothing
Compound 3-6mm



Prepared existing concrete or cement/sand screed with missing or ineffective dpm or new prepared damp slab or screed.

The ARDEX DPM 1 C may be installed 24 hours after the initial layer of ARDEX K 301 is applied.

Note: After 8 hours apply ARDEX P 4. After 1 hour apply ARDEX K 11. Within 48 hours apply the floorcovering.

If a rapid drying smoothing compound is required, use ARDEX K15 NEW.

Note: If thicknesses greater than 6mm are required, prime with ARDEX R3E Epoxy Primer and sand key with ARDEX Fine Aggregate before using the appropriate smoothing compound.



FOR ADHESIVES USAGE SEE CHART ON PAGE 32



ARDEX P 82
Water-dispersed Epoxy Primer
or ARDEX P 4
Ready Mixed Rapid Drying
Multi-Purpose Primer



Rapid Smoothing/Levelling System with Surface DPM

Threshold limitation 3mm - 6mm

Damp Proof Membrane Missing or Ineffective – sub-floor damp

- Sub-floor composition: Concrete or cement/sand screed



SYSTEM ARDEX
PREMIUM PERFORMANCE



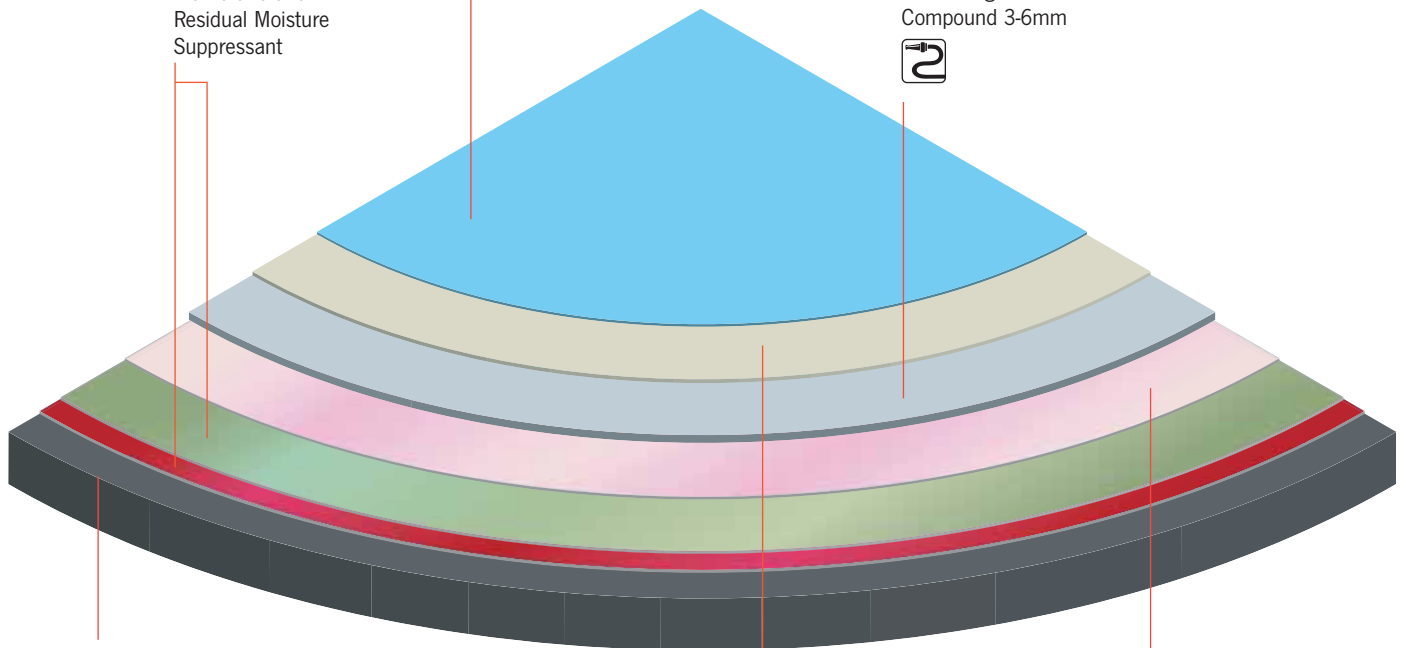
ARDEX DPM
Two Coat Surface
Damp Proof
Membrane and
Residual Moisture
Suppressant



ARDEX K 11
Rapid Hardening
Levelling and
Smoothing
Compound 3-6mm



Floorcovering



Prepared existing concrete or cement/sand screed with missing or ineffective dpm or new prepared damp slab or screed

Floorcovering may be applied 24 hours after installation of the smoothing compound.

Note: If the concrete or cement/sand screed is smooth and dense enough then ARDEX DPM 1 C can be used.

Note: If thicknesses greater than 6mm are required, prime with ARDEX R3E Epoxy Primer and sand key with ARDEX Fine Aggregate before using the appropriate smoothing compound.



FOR ADHESIVES USAGE SEE CHART ON PAGE 32



ARDEX P 82
Water-dispersed Epoxy Primer
or ARDEX P 4
Ready Mixed Rapid Drying
Multi-Purpose Primer

Rapid Screeding and Smoothing System

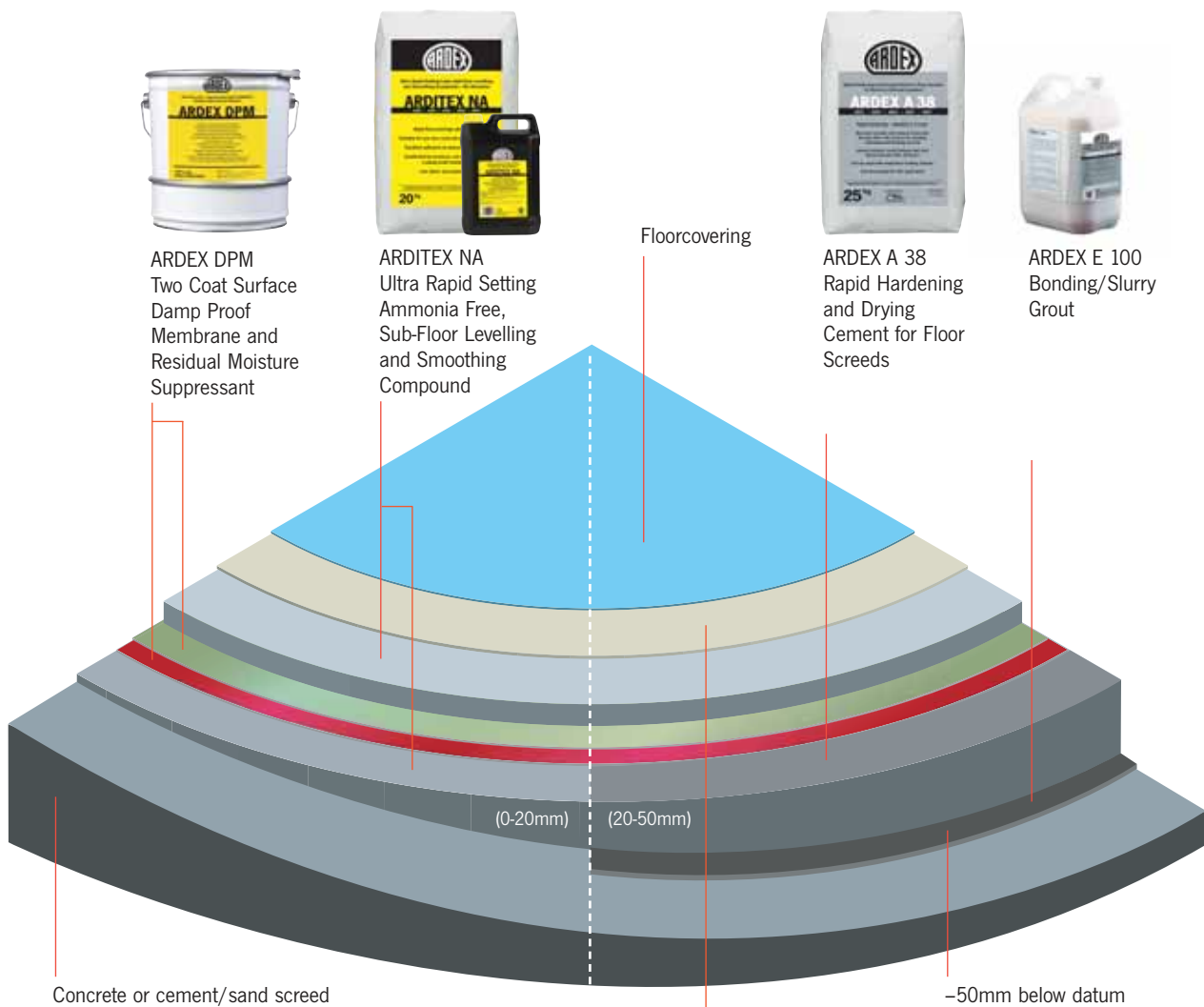
For infilling 0-50mm



SYSTEM ARDEX
PREMIUM PERFORMANCE

Damp Proof Membrane Missing or Ineffective – sub-floor damp

- Sub-floor composition: Concrete or cement/sand screed



ARDEX DPM
Two Coat Surface
Damp Proof
Membrane and
Residual Moisture
Suppressant



ARDITEX NA
Ultra Rapid Setting
Ammonia Free,
Sub-Floor Levelling
and Smoothing
Compound



ARDEX A 38
Rapid Hardening
and Drying
Cement for Floor
Screeds



ARDEX E 100
Bonding/Slurry
Grout

Note: ARDITEX NA must be applied within 48 hours after the application of ARDEX DPM.

Note: If the concrete or cement/sand screed is smooth and dense enough then ARDEX DPM 1 C can be used.





Flooring System 22

Rapid Hardening Levelling Screed, DPM and Rapid Drying Levelling Application

Threshold limitation 20-46mm



SYSTEM ARDEX
PREMIUM PERFORMANCE

Damp Proof Membrane Missing or Ineffective – sub-floor damp

- Sub-floor composition: Concrete



ARDEX A 38
Rapid Hardening
and Drying
Cement for Floor
Screeds in
Internal or
External Location



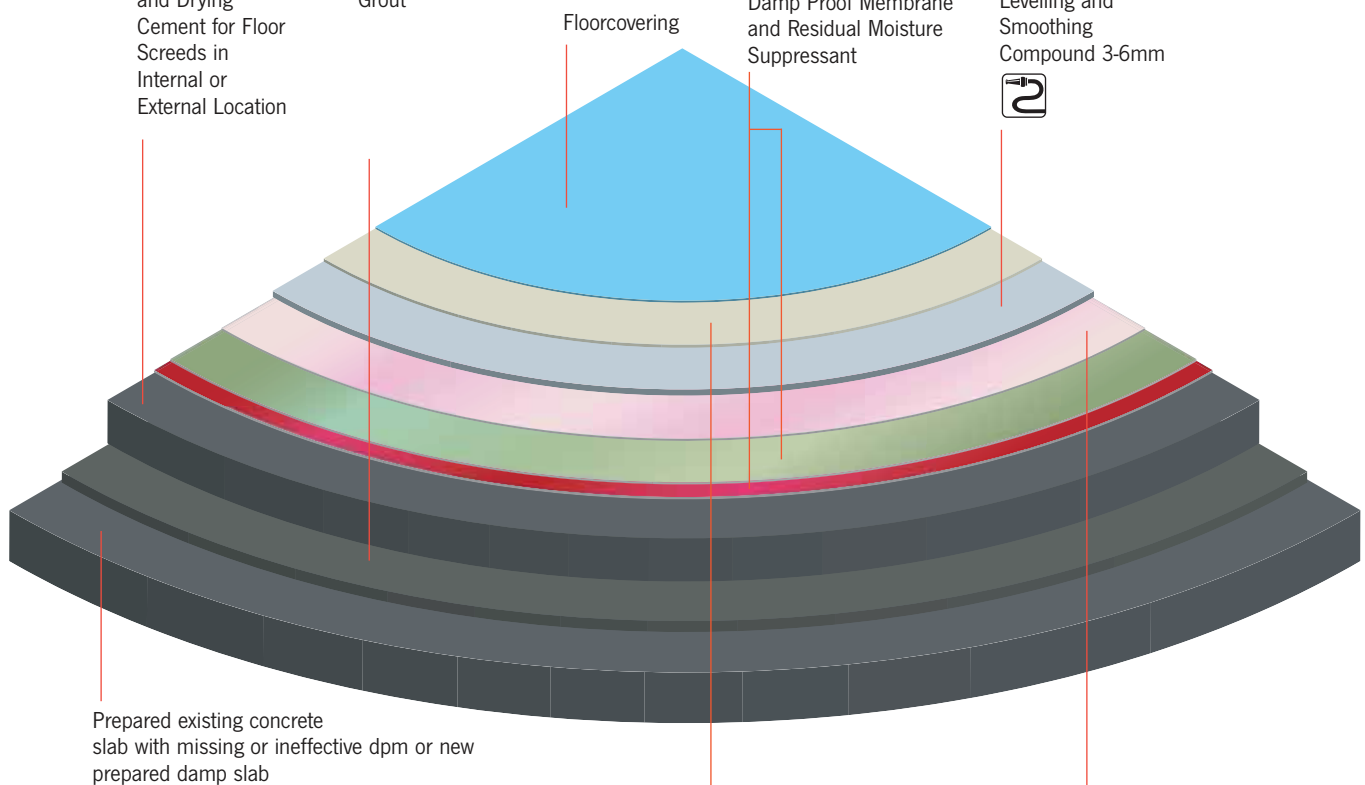
ARDEX E 100
Bonding/Slurry
Grout



ARDEX DPM
Two Coat Surface
Damp Proof Membrane
and Residual Moisture
Suppressant



ARDEX K 11
Rapid Hardening
Levelling and
Smoothing
Compound 3-6mm



Prepared existing concrete slab with missing or ineffective dpm or new prepared damp slab

Floorcovering may be applied 24 hours after installation of the smoothing compound.

Note: ARDEX K 11 must be applied within 48 hours after the application of ARDEX DPM. Note: If the concrete is smooth and dense enough then ARDEX DPM 1 C can be used.

Note: If thicknesses greater than 6mm are required, prime with ARDEX R3E Epoxy Primer and sand key with ARDEX Fine Aggregate before using the appropriate smoothing compound.



ARDEX P 82
Water-dispersed Epoxy Primer
or ARDEX P 4
Ready Mixed Rapid Drying Multi-Purpose Primer

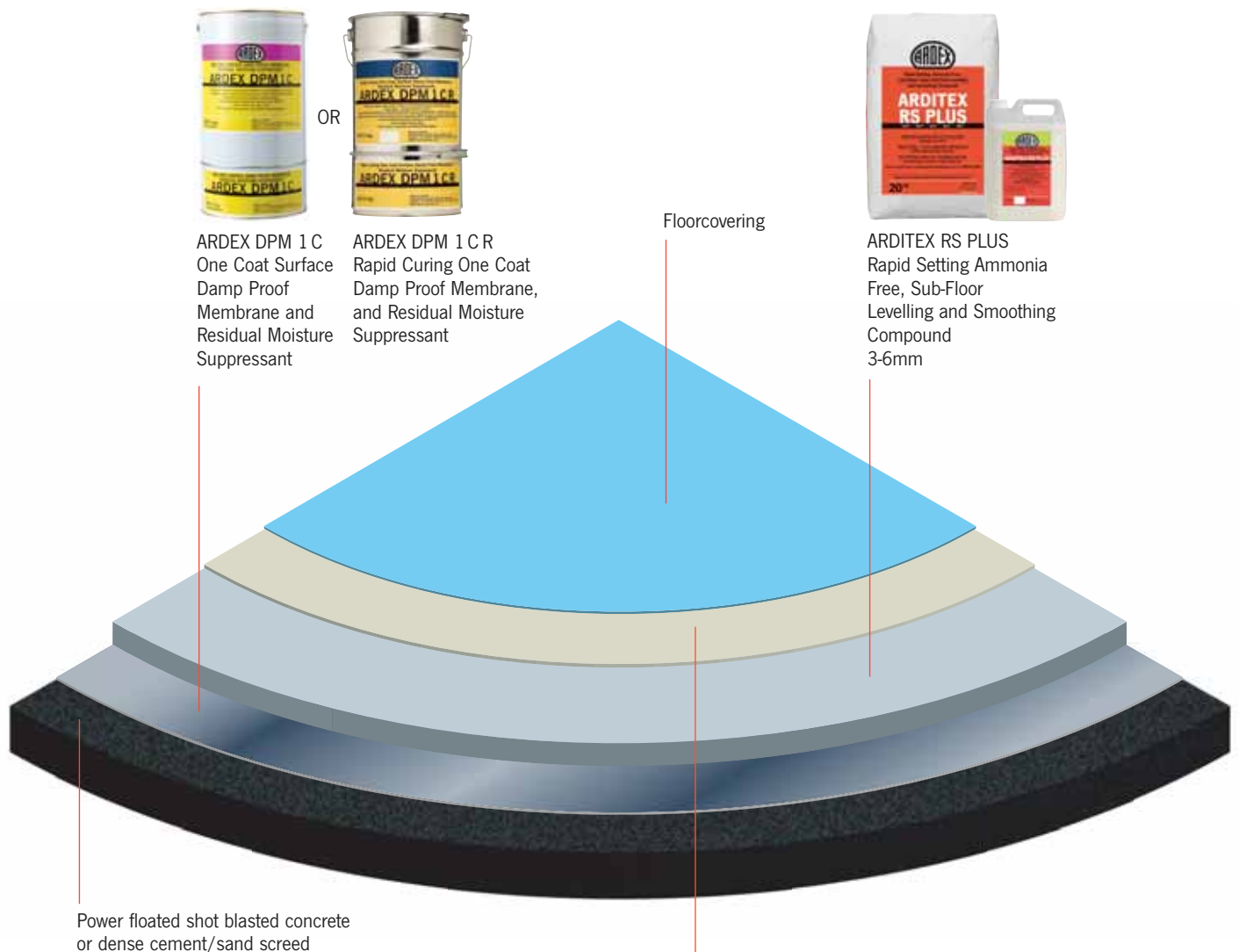
General Purpose Latex Smoothing System with One Coat Surface DPM

Threshold limitation 3mm - 6mm



Damp Proof Membrane Missing or Ineffective – sub-floor damp

- Sub-floor composition: Power floated concrete or dense cement/sand screed - rigid substrates only



OR



ARDEX DPM 1 C
One Coat Surface
Damp Proof
Membrane and
Residual Moisture
Suppressant

ARDEX DPM 1 C R
Rapid Curing One Coat
Damp Proof Membrane,
and Residual Moisture
Suppressant

Floorcovering



ARDITEX RS PLUS
Rapid Setting Ammonia
Free, Sub-Floor
Levelling and Smoothing
Compound
3-6mm

Power floated shot blasted concrete
or dense cement/sand screed

Note: ARDITEX RS PLUS must be applied within 8 - 24 hours after the application of ARDEX DPM 1 C and 4 - 16 hours after the application of ARDEX DPM 1 C R.

Note: If thicknesses greater than 6mm are required, prime with ARDEX R3E Epoxy Primer and sand key with ARDEX Fine Aggregate before using the appropriate smoothing compound.



FOR ADHESIVES USAGE SEE CHART ON PAGE 32



Flooring System 24

Rapid Drying Smoothing/Levelling System with One Coat Surface DPM

Threshold limitation 3mm - 6mm

Damp Proof Membrane Missing or Ineffective – sub-floor damp

- Sub-floor composition: Concrete or cement/sand screed



SYSTEM ARDEX
PREMIUM PERFORMANCE



OR

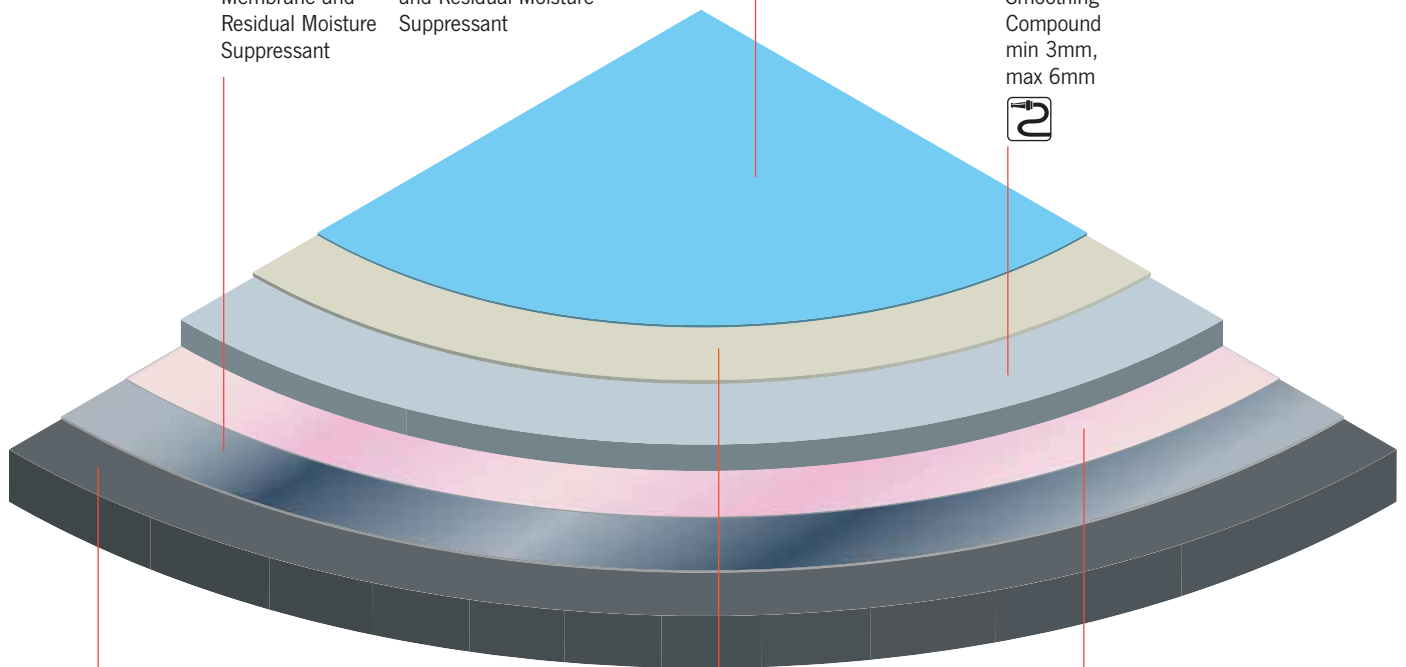


ARDEX DPM 1C
One Coat Surface
Damp Proof
Membrane and
Residual Moisture
Suppressant

ARDEX DPM 1CR
Rapid Curing One Coat
Damp Proof Membrane,
and Residual Moisture
Suppressant

Floorcovering

ARDEX K 11
Rapid Hardening
Levelling and
Smoothing
Compound
min 3mm,
max 6mm



Power floated shot blasted concrete

Note: For large areas ARDEX K 11 can be applied with an appropriate pumping machine.

When using ARDEX DPM 1C apply smoothing compounds within 8-48 hours or 4-16 hours when using ARDEX DPM 1CR.

If thicknesses greater than 6mm are required, prime with ARDEX R3E Epoxy Primer and sand key with ARDEX Fine Aggregate before using the appropriate smoothing compound.



FOR ADHESIVES USAGE SEE CHART ON PAGE 32



ARDEX P 82
Water-dispersed Epoxy Primer
or ARDEX P 4
Ready Mixed Rapid Drying Multi-Purpose Primer

Rapid Screed Renovation System for Damp Floors

Threshold limitation 3-6mm



SYSTEM ARDEX
PREMIUM PERFORMANCE

Damp Proof Membrane Missing or Ineffective – sub-floor damp

- Sub-floor composition: Cement/sand screeds



ARDEX PSRS
Penetrating Screed
Renovation System
(Sand blinded with
ARDEX Fine Aggregate)



ARDEX DPM 1 C
One Coat Surface
Damp Proof
Membrane and
Residual Moisture
Suppressant

OR



ARDEX DPM 1 C R
Rapid Curing One Coat
Damp Proof Membrane,
and Residual Moisture
Suppressant



ARDITEX NA
Ultra Rapid Setting
Ammonia Free,
Sub-Floor Levelling
and Smoothing
Compound

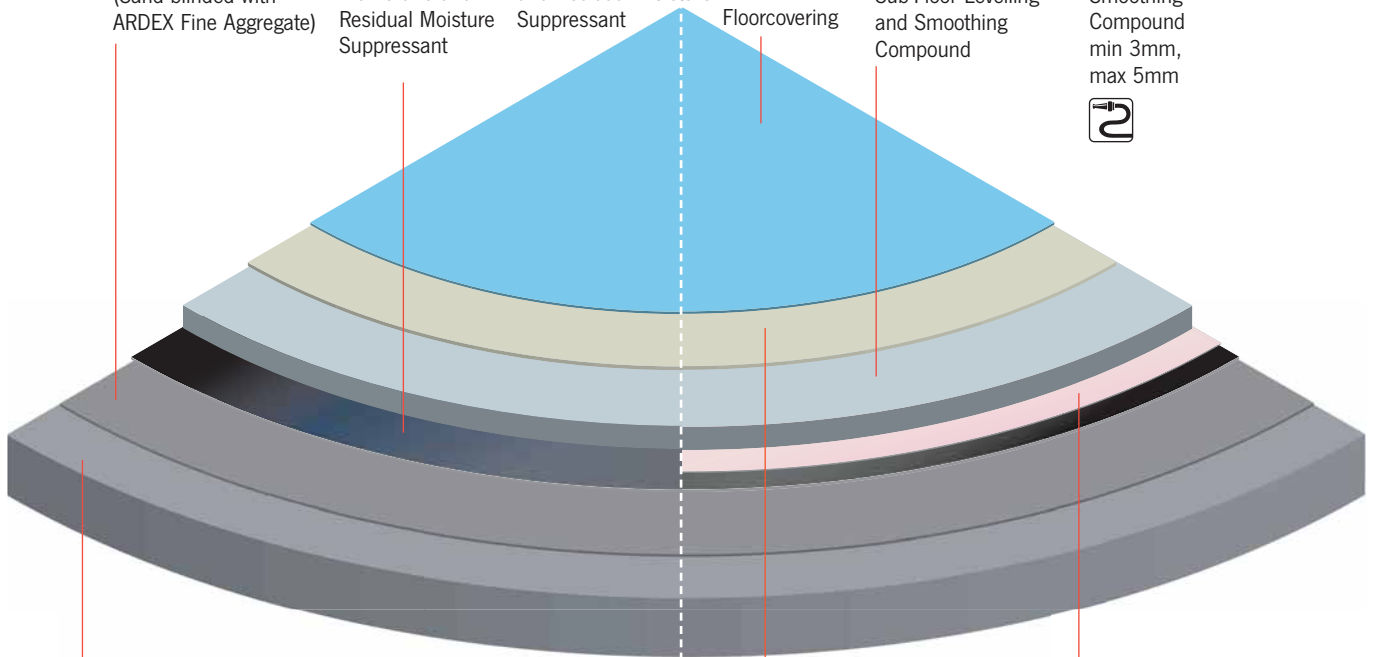
OR



ARDEX K 11
Rapid Hardening
Levelling and
Smoothing
Compound
min 3mm,
max 5mm



Floorcovering



Unsound cement/sand screed.

Note: ARDITEX NA or ARDEX K 11 must be applied within 48 hours after application of ARDEX DPM 1 C, or 4-16 hours with ARDEX DPM 1 C R.

Note: If thicknesses greater than 6mm are required, prime with ARDEX R3E Epoxy Primer and sand key with ARDEX Fine Aggregate before using the appropriate smoothing compound.



FOR ADHESIVES USAGE SEE CHART ON PAGE 32



ARDEX P 82
Water-dispersed Epoxy Primer
or ARDEX P 4
Ready Mixed Rapid Drying Multi-
Purpose Primer

Not required for ARDITEX NA



Rapid Flooring System for Damp Floors

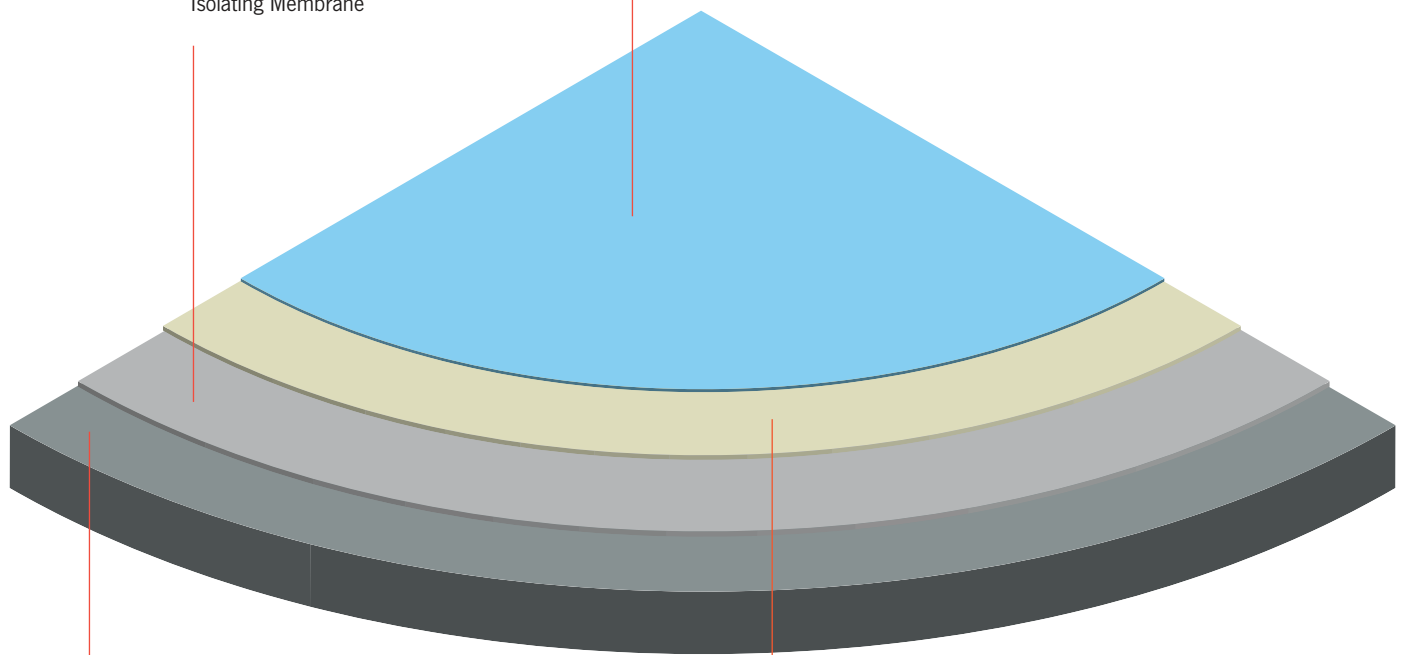
PVC Damp Proofing and Isolating Membrane for old or contaminated sub-floors

- Old sub-floor, vinyl flooring, ceramic tiling, sheet metal, sub floor contaminated with oil or paint, or damp sub-floors



ARDEX RAPIDLAY
MEMBRANE
PVC Damp Proofing and
Isolating Membrane

Vinyl floorcovering



Old or contaminated sub-floor

Note: For jointing the membrane, use ARDEX Rapidlay Membrane Tape.



FOR ADHESIVES USAGE
SEE CHART ON PAGE 32

British Standards

The advice given in this publication is based on the following British Standards Codes of Practice and should be referred to if further guidance is required.

BS 5325: 2001

Installation of textile floorcoverings – Code of practice

BS 6925: 1988

Mastic asphalt for building and civil engineering
(limestone engineering)

BS 8000-9: 2003

Workmanship on building sites
Part 9: Cementitious levelling screeds and wearing screeds – Code of practice

BS 8201: 1987

Code of practice for flooring of timber, timber products and wood-based panel products

BS 8203: 2001

Code of practice for installation of resilient floorcoverings

BS 8204-1: 2003 + A1:2003

Screeds, bases and in situ floorings
Part 1: Concrete bases and cement/sand levelling screeds to receive floorcoverings - Code of practice

BS 8204-5: 2004

Screeds, bases and in situ floorings
Part 5: Code of practice for mastic asphalt underlays and wearing surfaces

BS 8204-7: 2003

Screeds, bases and in situ floorings
Part 7: Pumpable self-smoothing screeds - Code of practice

BS EN 12706: 2000

Adhesives – test methods for hydraulic setting floor smoothing and/or levelling compounds.
Determination of flow characteristics

BS EN 13318: 2000

Screed material and floor screeds – Definitions

BS EN 13813: 2002

Screed material and floor screeds – Screed material
Properties and requirements



ARDEX online: www.ardex.co.uk

For the latest and most up to date information and advice, visit the ARDEX CPD ACADEMY at:

www.ardexcpdacademy.com

The academy allows you to earn CPD points by taking one of our RIBA approved CPD seminars online. Technical guidance, product information and project case studies are available to download, making the ARDEX CPD Academy an essential tool in the specification process.

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Floor Levelling Compounds/Repair Mortars



Floorcovering Adhesives



Fast Track Screeds



Tile Adhesives



Tile Grouts



Waterproof Coatings



Renders



Primers, DPM's, Penetrating Screed Renovation System

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