



INSTALLATION / MAINTENANCE GUIDELINES **NEXT STEP WALK SOFT LVT FLOORING**

SQUARE CUT SIZES:

➤ **18.5" X 37" PLANK**

➤ **37" X 37" TILE**



Square Cut Glue Down Installation



Reg # SCS-FS-02144

This products Walk Soft backing has been certified by SCS to meet the rigorous indoor air quality requirements of the FloorScore® certification program.

The following pages are guidelines only... please read this manual thoroughly before installing DINO FLEX Recycled Rubber Surfacing products.

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SECTION I

MATERIAL STORAGE & HANDLING

General packaging information

All Dinoflex products are packaged on wooden pallets, covered with a plastic hood, and secured by steel strapping with edge protectors.

On Receipt of Merchandise:

A) The product in front of you has gone through several quality assurance checks. However, we recommend that you double-check that your order is correct, that no damage occurred during transport, and for any other possible shortcomings.

For your own protection, ensure that defective product is identified prior to the start of the installation.

Please note that we are not responsible for any installation costs that occur as a result of defective product being installed.

B) If adhesives were exposed to freezing temperatures, place indoors and bring to room temperature before using. Read Safety Data sheets and MSDS sheets for adhesive. Check adhesive cans for damage that may have occurred during transit.

Dinoflex DinoGrip has a 12 month shelf life. Chemrex CX-941 has a 9 month shelf life. If shipment has been stored for an extended time and if the adhesive is not used within 6-months of receiving, please check with Dinoflex to ensure it is within the acceptable shelf life of the product.

C) Storage: Store tiles or planks in a dry and clean area. Temperature and humidity changes will cause the rubber backing to expand or contract. During storage the Next Step LVT tiles/planks must be kept dry and the adhesive must be stored at 50°F (10°C) in a dry heated space.

D) Installation after short term storage:

At least 48 hours before starting the installation lay out all tiles or planks on the sub-surface to allow them to acclimate. During acclimation the tiles/planks should be placed throughout the installation area in small piles of two or less. A tile or plank laid in the morning hours at 32°F (0°C) would be a different size than a tile or plank laid at 68°F (20°C) later in the day. Installation should only occur when the sub-surface temperature is between 18°C (65°F) and 23°C (72°F). Exposure to direct sunlight will cause temperature fluctuations; blinds must be used to minimize those temperature fluctuations. Acclimation is complete when the products have reached a consistent dimension after a period of 24 hours. Once acclimated, the thickness of the product should match the measurements that are in the Weights and Measurements chart at the back of these guidelines. Short term storage should be considered as two weeks or less.

E) Installation after prolonged storage:

Before placing any Dinoflex product in prolonged storage remove the pallet strapping, but leave the other packaging on until acclimation begins. During prolonged storage, the tiles and/or planks in the lower portion of the stack will compress to a greater degree than those in the upper portion. This will show as thickness variations in the products taken from the top of the pallet as compared to those on the bottom. Product dimensions (length and width) may also be affected. A longer acclimation time will be required for product that has had a longer storage time. Exactly how long is difficult to predict but it can take up to 72 hours. Installation should only occur when the sub-surface temperature is between 18°C (65°F) and 23°C (72°F). Exposure to direct sunlight will cause temperature fluctuations; blinds must be used to minimize those temperature fluctuations. **Do not install** the tiles or planks if they are not square or the appropriate thickness. The product should be taken off the pallet and distributed throughout the installation area in small piles

consisting of two or less. Acclimation is complete when the product has reached a consistent dimension for a period of 24 hours. Once acclimated, the thickness of the product should match the measurements that are in the Weights and Measurements chart at the back of these guidelines. If the material is installed in any condition other than specified Dinoflex is not responsible. Prolonged storage should be considered as two weeks or longer.

F) It is important to keep a clean working surface at all times. Protect tiles and/or planks from dust and dirt. Install only after all other trades are completed.

G) Keep Dinoflex Next Step Walk Soft LVT Flooring dry. Moisture will cause adhesion problems.

H) Petroleum distillates (e.g. solvents) as well as liquid animal fats may cause the surface bonding to fail. Test results for other harmful chemicals and compounds are available on request.

SECTION II

TOOLS & ACCESSORIES

A) Tools and safety equipment required:

- Dinoflex Installation Guidelines
- Safety glasses
- Heavy duty utility knife - Suggested product: CH Hanson Speed Rocker SS, 3 position, fixed blade knife
- Measuring tape
- Transit level and Straight edge
- Caulking gun, if needed to adhere reducer strip
- Chalk snap-line
- Drill and mixer for adhesive
- V-notched trowel 1/16" (1.6 mm)
- Carpenter's square
- Rubber boots & gloves

C) Adhesive

IMPORTANT: If adhesive other than the products noted below is used, these installation guidelines may not apply. Contact adhesive manufacturer for

specific guidelines for Next Step Walk Soft LVT Flooring.

Dinoflex recommended adhesives:

1) Dinoflex DinoGrip (V.O.C. compliant)

- One component, water free, polyurethane adhesive.
- 4 gallon pail: 55 lbs (25 kg)
- Approximate coverage: 300 sq.ft. (29.7 m²) per pail

2) Chemrex Urethane 941 (V.O.C. compliant)

- One component polyurethane adhesive
- 2 gallon pail: 26 lbs (12 kg)
- Approximate coverage: 150 sq.ft. (14 m²) per pail

3) Chemrex Urethane 941 (V.O.C. compliant)

- One component polyurethane adhesive
- 5 gallon pail: 57 lbs (26 kg)
- Approximate coverage: 375 sq.ft. (35 m²) per pail

4) Chemrex Urethane 948 (V.O.C. compliant)

- One component polyurethane adhesive
- 313 ml gun grade: 2 lbs (10 oz tube)
- Approximate coverage:
 - 1/8" (3mm) bead = 90 lineal feet
 - 5/16" (8mm) bead = 11 lineal feet

It is not uncommon for a moisture cured urethane product, such as Dinoflex DinoGrip or Chemrex CX941, to develop a slight skin on the top surface of the product. The slight skinning can be the result of product getting older, or in the case of newer product, perhaps a poor seal in the lid. Regardless, the product is still good; simply trim the skin and discard. In the case of older product, a thicker skin may have developed, and the viscosity of the overall product may have thickened, also making the application a bit more difficult, but in most cases will still perform.

For detailed information and product use, refer to Dinoflex DinoGrip product Data sheet or BASF Product Data Guide, included with adhesive. **Note: DinoGrip has a 12 month shelf life and CX 941 has a 9 month shelf life.**

SECTION III

BEFORE STARTING THE INSTALLATION

Ensure all other trades are completed work prior to installing Dinoflex Next Step Walk Soft LVT Flooring. In cases where other trades may access the installation area, the use of parchment paper should be used to protect the Next Step Walk Soft LVT Flooring from damage and debris. Dinoflex is not responsible for any product failure if proper floor preparation and/or installation procedures are not followed.

A) Temperature: Flooring, substrate & room temperature should be between 18°C (65°F) and 23°C (72°F). Maintain proper temperature for 48 hours before and after installation. After that, maintain a minimum 55°F (13°C) degree temperature. Exposure to direct sunlight will cause temperature fluctuations; blinds must be used to minimize those temperature fluctuations. The building's heating and air-conditioning system should be turned on at least one week before installation. Failure to follow these guidelines may result in an installation failure (i.e. flooring may expand or contract resulting in gapping or buckling).

B) HVAC: Air conditioning is recommended whenever possible and at comfortable levels as moisture is removed constantly and this will provide for a drier atmosphere that affects the adhesion to the subfloor favorably. However in hot and humid climates the air conditioning can cause condensation in the floors so that the subfloor must have a moisture barrier beneath the slab or in the crawl space. **For detailed information and product use, refer to the Technical Product Data Sheet, included with adhesive.**

SECTION IV

PREPARATION OF THE SUB-SURFACE

The sub-surface must be level, clean, and dry. Remove all old adhesive. A rough or uneven sub-surface will result in an uneven

installation. If the subsurface has been previously sealed or finished the surface must be stripped to ensure an adequate bond.

A) Concrete sub-surfaces

New concrete sub-surfaces must be thoroughly cured and free from hydrostatic pressure before rubber tiles are installed (a minimum of 30 days after pour). Consult adhesive specifications for allowable moisture tolerance.

The sub-surface must be smooth and level to a tolerance not exceeding 1/8" in 10 lineal feet. If existing concrete is too rough, or does not meet the above criteria, apply a Portland cement based leveling compound to smooth and level the surface. Follow all leveling compound manufacturers' instructions.

It is vital that a moisture and alkalinity test be completed prior to floor installation, and that sub-surfaces are cured and dry to acceptable levels. Concrete substrates should not exceed 65 percent RH and/or 3 lbs. x 24 hrs x 1000 sf. Moisture vapor emissions rate tested in accordance to ASTM F 2170 and ASTM F 1869. Moisture is the single most significant factor that causes bonding failure to the sub-surface.

B) Wooden sub-surfaces

- New plywood should be acclimatized for a 48-hour period prior to installation of the rubber flooring.
- CDX exterior smooth one side suggested for new wood substrates.
- Secure all nails to prevent future protrusion.
- Any cracks, holes, and rough or uneven areas should be patched with good quality cement based leveling compound.
- Wood sub-surface must be a minimum of 1" thickness, and free from any flex movement.
- ***It is vital that a moisture and alkalinity test be completed and records kept prior to installation, and that sub-surfaces are cured and dry to***

acceptable levels. Moisture is the single most significant factor that causes bonding failure to the sub-surface. Warranty is not applicable if specified moisture ranges are not adhered to.

SECTION V

INSTALLATION OF LVT SQUARE CUT TILES OR PLANKS

Important: See Section I, (D) and (E) regarding acclimation of tiles. Visually inspect all tiles or planks for visible defects. Ensure that defective product is identified prior to the start of the installation, set these aside and notify dealer immediately with information of any defects found.

Glue down installation is required for all square edge tiles or planks.

1. ARRANGING THE TILES

For best results, the room temperature in the area of installation must be between 18°C (65°F) and 23°C (72°F) for at least 48 hours before, during, and after installation.

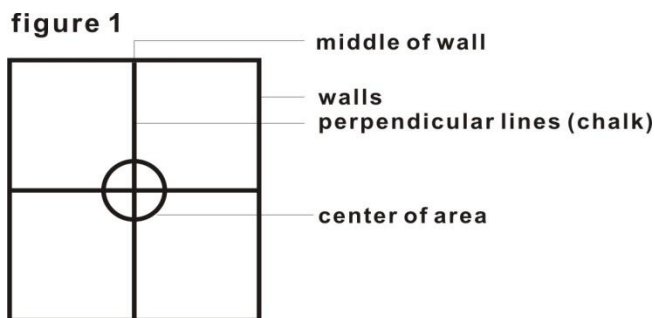
Flooring must be acclimated in the room they are to be installed in for a minimum of 48 hours prior to installation. During the acclimation process the product should be distributed throughout the installation area in small piles consisting of two or less.

Acclimation is complete when the product has reached a consistent dimension for a period of 24 hours. Be sure to mix tiles and/or planks from several different pallets to blend minor shade variations. If the Next Step Walk Soft LVT Flooring tile or plank has directional stickers on the back then these stickers will always be placed in the same corner. Be sure to maintain the same directional placement during the installation. If not, lay the tile and/or planks keeping the embossing of the product flowing in the same direction. Note: All Warranties and guarantees regarding the suitability and performance of any products, if not supplied by Dinoflex, rests with the material manufacturer or the installation contractor

and not with Dinoflex Group LP. Install following standard methods of measuring and laying out and cutting vinyl flooring. Leave an expansion gap of at least 1/4 inch against the wall that is covered by moulding. Do not align end joints next to each other and make sure to have all arrows on the underside of the plank or tile in the same direction for install as shade variation may occur. **In order to rectify shade variation, rotate the tile/plank 90 degrees or install it in a less visible area. If any height variation (± 0.5 mm) or minor damage is noticed in certain tiles then place those tiles against a wall, in a less visible area, or in an area that will require perimeter cutting.**

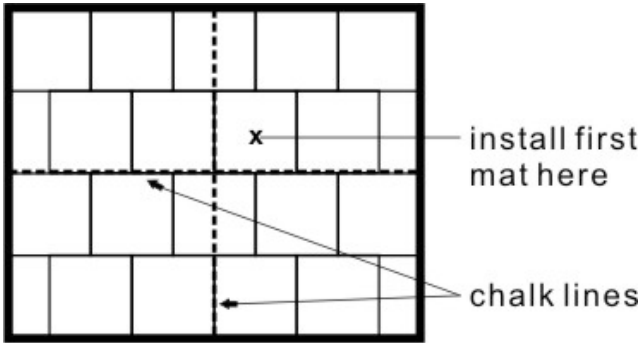
Locate the midpoint of the room, and chalk a start line down the centre. Chalk another similar start line 90 degrees to the first one. Begin mat installation from the point where the two chalk lines intersect. Work outwards in both directions.

(See figure 1).



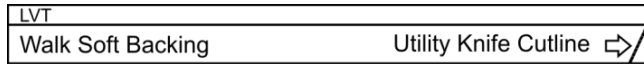
Start second row on either side of the center line towards the chalk line. Make sure that second row is installed by staggering the tiles. This will avoid any four corners from meeting at one spot **(See figure 2).**

Figure 2



2. MEASURING & CUTTING

Lay tile or plank on a flat surface, hold the metal straight edge on the cut line, and cut with sharp utility knife on a diagonal or using a back cut procedure. (See figure below)



Change or snap off blades frequently to ensure clean cuts. For odd angles, circular patterns, etc. a cardboard template is suggested. Join water cut edges together. Hand cut edges should be used against walls wherever possible. Make sure that you measure carefully so that the tile or plank will fit properly and does not leave gaps, resulting in the installation being out of alignment.

3. ADHESIVE

IMPORTANT: If adhesive other than Dinoflex recommended adhesive is used, these installation guidelines may not apply. Contact adhesive manufacturer for specific guidelines for Next Step Walk Soft LVT Flooring.

A) General

- Please read Dinoflex DinoGrip Safety Data sheet supplied for the adhesive thoroughly before starting with the installation.
- Moisture is the single greatest cause of bonding failure. Ensure levels are at or below those accepted by adhesive manufacturer.
- Higher temperatures and humidity will cause the adhesive to cure faster.

- Use safety glasses, rubber boots, and rubber gloves when applying adhesive.
- Room must be well ventilated.
- For first aid and safety instructions see labels on can, Safety Data sheets, and MSDS.

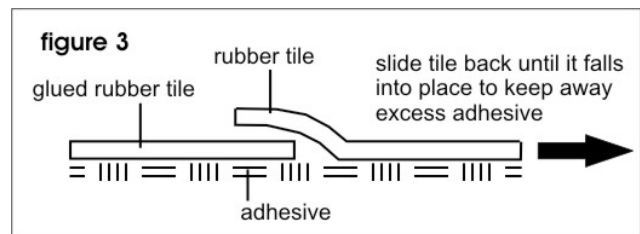
B) Applying Adhesive

DO NOT GET ADHESIVE ON THE TOP SURFACE OF THE NEXT STEP LVT FLOORING AS IT IS VIRTUALLY IMPOSSIBLE TO REMOVE. Dinoflex does not warranty product where an attempt to remove adhesive has been made. Contact your Dinoflex supplier immediately if this happens.

All substrates must be structurally sound, smooth, clean, dry, and free from dust, loose material, grease, oil, wax, sealers, curing agents, and other foreign materials. Apply adhesive with 1/16" (1.6 mm) V-notch trowel, (available from Dinoflex) Using a larger trowel will result in excess adhesive coming up between seams.

Wear gloves at all times when applying adhesive. Do not allow adhesive to cure on your hands.

Put the tile that you are installing on top of the tile already glued down and pull towards the area you want to fill until the tile falls into place, then firmly press tile up to edge of existing tile. This will keep excess adhesive from protruding between the seams (See figure 3 below).



When applying adhesive, glue must be spread evenly on the sub-surface to avoid differences in tile/plank height. Allow 72 hours setting time before the post install cleaning. Avoid heavy traffic or rolling loads

during curing to prevent indentation or movement of tiles or planks.

C) Rolling

Roll each row as completed or within 25 minutes. Roll the entire floor when project is completed. Work in both directions. Note that adhesive is slippery when first spread and tiles/planks will shift position even if only disturbed slightly.

No foot traffic of any kind should be allowed for the next 48 hours. Allow 72 hours for maximum strength.

A 100 pound roller should be used to ensure the underside tile surface is fully bonded to the glue and sub-floor. Too much rolling could cause the tiles to buckle and adhesive to move upwards through the seams.

D) Clean Up Adhesive

Do not allow excessive adhesive to come in contact with top surface of Next Step Walk Soft LVT Flooring as it can be difficult to remove. Contact your Dinoflex supplier immediately for suggested cleaning methods if this happens. **Any damage to the tiles as a result of adhesive removal is the sole the responsibility of the installer.**

Follow adhesive manufacturer's instructions for cleanup of tools.

E) Post Construction Cleaning:

Sweep or vacuum thoroughly and remove any adhesive residue from surface. Mineral Spirits can be used. Do not wash floor for at least 72 hours after installation. Lightly damp mop with a very diluted solution of vinyl cleaner. Remove any scuffs and excessive soil by careful scrubbing. Certain types of rubber heel marks may be removed by rubbing with a cloth dampened with a vinyl black scuff/adhesive remover. All traffic and furniture should stay off the floor for at least 48 hours to allow the adhesive to dry. Do not wash any installation for 72 hours. In order to prevent indentations and scratches, provide glass, plastic or other non-staining cups with flat under surfaces not less than 2" in width for the legs of heavy furniture or appliance. Equip swiveled-type office chairs and other rolling furniture with broad surface

non-staining casters at least 2" in diameter. Remove small diameter buttons from the legs of straight chairs and replace with metal glides that have bearing surfaces not less than 1" in diameter. Protect your floor against burns. Burns from the glowing end of a cigarette, matches, or other extremely hot items can damage the flooring. **Do not flood floor**, subject to frequent standing water, or use in high moisture areas.

SECTION VI

CLEANING & MAINTENANCE

A) Maintenance

The type or frequency of traffic on your tile or plank will determine the frequency of maintenance needed. The color of the floor will have some bearing on how much care may be necessary. Regular adherence to an effective maintenance program should include: thorough dirt and grit regulation, prompt removal of spills and stains, and protection of the floor surface. The most effective part of any floor maintenance program is the simplest: sweep, dust mop or vacuum DAILY, or more frequently if needed.

B) General Maintenance / Commercial Maintenance

Dinoflex Next Step Walk Soft LVT tiles and planks will perform commercially provided a sound maintenance program is followed. Light daily sweeping, dust mopping or vacuuming will prevent dirt and grit particles from being ground into the surface of the tile. Non-rubber, non-staining walk off mats should be used to control the amount of dirt and grit reaching the floor. The mats should be as wide as the doorway and thick enough to trap dirt and should be cleaned on a regular basis. Frequent light mopping will prevent the floor from becoming heavily soiled and will remove most spills and stains. The amount and type of traffic will dictate the frequency of washing. Wash the floor by damp mopping with a vinyl neutral cleaner diluted with warm water. If the floor receives hard use and becomes extremely

dirty, as in heavily commercial installations, an occasional scrubbing may be necessary. This can be accomplished by using a low speed buffer 300 rpm or less with a red scrubbing-type (polyester or nylon) pad. Spray the floor with diluted neutral cleaner and work the solution over the floor using the buffer and the scrubbing pad. Once this is accomplished, remove the dirty residue by damp mopping with clear water or with a wet vacuum.

C) Stain Removal

To remove stubborn spots or stains from the tiles/planks, always begin with mild cleaners, such as vinyl neutral cleaner. If this fails to remove stain, use Mineral Spirits. Do not use harsh solvents, such as Acetone or lacquer thinner. These types of products can permanently soften and damage the surface. For extreme staining, (paints, permanent markers, dyes) try applying fingernail polish remover containing Acetone (not straight Acetone) applied to a soft cloth and rubbing. Any damage resulting from use of pure solvents IS NOT covered by the warranty. Always test stronger cleaning agents on sample pieces or in unnoticeable areas first before attempting on affected areas.

D) Scuffing and Scratching:

Although Next Step Walk Soft LVT tiles/planks are resistant to scuffing and scratching, surface damage can occur with hard enough use, or if floor is improperly maintained. If damage occurs, try hand buffing the spot with 0000 steel wool, using a solution of mineral spirits.

SECTION VIII

WEIGHTS & MEASURES

GENERAL PACKAGING INFORMATION

All Dinoflex products are packaged on wooden pallets, covered with a plastic hood, and secured by steel strapping with edge protectors.

Product Information – LVT Walk Soft Planks & Tiles:

Dimensions: 18.5" x 37" = 4.75 ft² (46.99 cm x 93.98 cm = 0.44m²)

37" x 37" = 9.5 ft² (93.98 cm x 93.98 cm = 0.88 m²)

Next Step Walk Soft LVT has a standard thickness tolerance of ± 0.5 mm.

NEXT STEP		TILE	
Walk Soft LVT		lbs	pallet
5 mm	6mil	15	155
7 mm	6mil	18	130
5 mm	8mil	15	155
7 mm	8mil	18	130
5 mm	12mil	15	155
7 mm	12mil	18	130
5.5 mm	20mil	17	137
7.5 mm	20mil	20	117
6 mm	20mil	19	122
8 mm	20mil	22	106

NEXT STEP		PLANK	
Walk Soft LVT		lbs	pallet
5 mm	6mil	7.5	310
7 mm	6mil	9	260
5 mm	8mil	7.5	310
7 mm	8mil	9	260
5 mm	12mil	7.5	310
7 mm	12mil	9	260
5.5 mm	20mil	8.5	274
7.5 mm	20mil	10	234
6 mm	20mil	9.5	244
8 mm	20mil	11	212

Pallet (net weight)

65 lbs (29.5 kg)

40" x40" skid

Conversion Chart:

1 in = 2.54 cm

1ft = 30.5 cm

39.4 in = 1.00 m

2.2 lbs = 1.0 kg

Weights and measures may change without notice. All measurements are nominal and subject to variation.



FloorScore and the FloorScore logo are certification marks of the Resilient Floor Covering Institute.

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