



Handling Information

Pala Mix & Match Teeth

Giving a hand to oral health.



KULZER
MITSUI CHEMICALS GROUP

General Description

Pala Mix & Match teeth are artificial teeth which can be used for the manufacture of dental restorations in the form of total and partial dentures. The dental restoration can be both soft tissue as well as implant-supported.

For optimum replication of the natural tooth and to ensure authentic shade, shape and function, the teeth are manufactured with the help of INCOMP technology, i. e. injection and compression of the acrylate into the various layers, resulting in extremely compact teeth without porosities.

The shade of natural teeth varies. Therefore, the Vita® shade guide (shades A1, A2, A3, A3.5, A4, B1, B2, B3, B4, C1, C2, C3, C4, D2, D3, D4) was used for shade determination and supplemented by two bleach shades (BL2 and BL3).



Artificial teeth from Kulzer are available in a range of versions.

In the Pala Mix & Match concept, Pala Premium, Pala Mondial and Pala Idealis are combined and can also be combined with the PalaVeneer veneers (see Instruction for use PalaVeneer® and PalaVeneer® Dentine).

Pala Mix & Match

The Concept.

The demands placed on Pala Mix & Match teeth are high, since you, like your patients, are interested in perfect, highly aesthetic dentures. To meet their requirements and our own, we manufacture our Pala Idealis, Pala Premium, Pala Mondial artificial teeth and our PalaVeneer veneers in Wasserburg at Lake Constance.

At this site we have access to our specially developed state-of-the-art technology and materials. In this way, we guarantee a consistently high quality and the 100% reliable authentic shade, shape and function of our Pala Mix & Match teeth thanks to a combination of CAD/CAM technology and INCOMP processes.

Our Pala Mix & Match concept permits the combination of our tooth lines Pala Idealis, Pala Premium, Pala Mondial and PalaVeneer to get individual, professional results. By being able to combine 3 tooth lines with one another, you can approach individual requirements with flexibility and thus ensure that your patients have even more accurate and age-appropriate individual dentures.

Indication range							
Anteriors				Posteriors			
aesthetics	adaptability	functionality	variety of shapes	Partial dentures	Fixed-removeable dentures	Full dentures	Geriatric prosthesis
PalaVeneer 6 12 Moulds, 16 Shades				PalaVeneer 8 6 Moulds, 16 Shades			
Premium 6 22 Moulds, 18 Shades				Premium 8 8 Moulds, 18 Shades			
Mondial 6 28 Moulds, 18 Shades				Mondial 8 10 Moulds, 18 Shades			
				Idealis 8 8 Moulds, 18 Shades			

Application Area

Our Pala Mix & Match teeth are suitable for partial, total and implant-supported dentures.

However, the properties of the respective lines support the requirements of certain areas in different ways.

For further information about this, please see our Pala product brochures in the download area on our home page kulzer.com.

Pala Mix & Match

Possible combinations

For perfect combinations of our Pala Mix & Match teeth, please see our combination tables in our printed mould chart or the Pala Mix & Match mould chart in the download area on our home page kulzer.com.

Pala material technology

Every single one of our Pala Mix & Match teeth and veneers is manufactured from our patented NanoPearls® material.

This is comprised of unique hybrid-fillers combined with a tough-elastic matrix

The result: high abrasion resistance and natural opalescence and surface quality coupled with high fracture resistance and longevity, with raw materials which are 100 % resistant to discolouration for lasting shade stability.

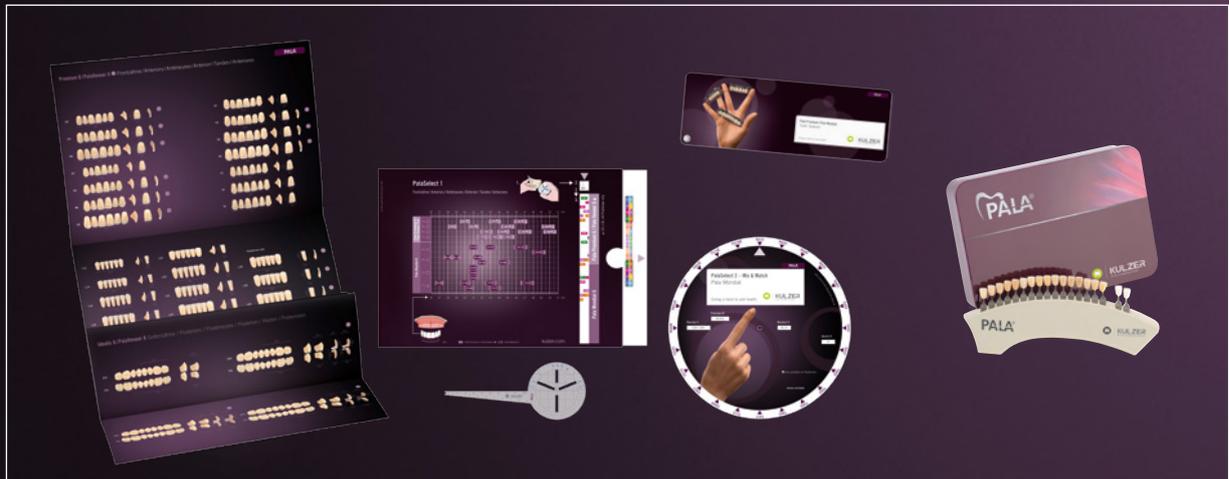
Corresponding **study results** for e.g. abrasion resistance, fracture resistance, shear adhesion bonding, low plaque affinity and shade stability can be found on our home page kulzer.com in the download area.

Processing

Fine adjustment of the tooth shape, size and shade

The shade is selected by either the dentist or dental technician on the basis of the patient's remaining teeth, skin type and age. In case of edentulous patients, an existing denture can be used as a guide.

We provide various tools to make model analysis and suitable tooth selection easier and thus ensure better results for the patient.



If you want to use one of our Pala tools, please contact your local sales representative.

Installation

The Pala Mix & Match tooth lines are not dependent on a specific set-up concept.

Both the anterior and posterior teeth provide every opportunity to realise the most common set ups on account of their different design.

The anterior teeth have e.g. fewer concave palatal surfaces for implementing the concept of canine guidance.

The posterior teeth have the right posterior tooth for every common set up concept both on account of the various degree inclinations and functional designs.



Multifunctional Set-up with Pala Premium 8 in eugnathic and disgnathic jaw relations with the following occlusions:

- A Tooth-to-tooth occlusion
- B Tooth-to-two teeth occlusion
- C Combined

After tooth selection, adjust Pala Mix & Match teeth as required and set up the teeth as usual e.g. in wax, so that position corrections are still possible.

Once the set-up is complete, fill remaining cavities e.g. with wax and perform the anatomical and functional wax up.

After the final fitting, the denture can be manufactured using various recognised methods such as e.g. injection method, plugging method, casting method.

To do so, isolate the plaster model with two thin layers of Aislar® (see instruction for use Aislar®). This ensures perfect surface insulation between the model and the acrylic.



For a better bond to the denture base acrylic, we recommend steaming off wax residues, sandblasting the contact surfaces of the Pala Mix & Match teeth to the acrylic (110–125 µm Al₂O₃, 2 bar) or roughening with a coarse diamond and removing the dust with oil-free compressed air, not steaming it off. The teeth must be clean and dry for processing.

Moisten the bonding surfaces of the Pala Mix & Match teeth to the acrylic with the Palabond® adhesive promoter. Apply Palabond® twice with a brush (no metal ferrule) and leave for 30sec after each coat. After the second coat, the adhesion promoter remains active for approx 10min.

Kulzer recommends the following denture acrylic for the denture base:

- Palapress
- PalaXpress
- Palapress vario
- Paladon 65
- PalaXpress ultra

Please observe the instructions for use of the acrylic. See download area at www.kulzer.com.

The denture can be individualised with the aid of Pala cre-active® and Signum cre-active®. More detailed information can be found in the corresponding processing instructions.

The final finish takes place e. g. using a carbide bur, lenticular silicone rubber polisher, separating disc.

Final polishing can be performed with a goat hair brush with acrylic polishing paste or a cotton wool buffer with high-lustre polish, for example.

Only use highly abrasive polishing agents such as pumice or diamond polishing paste, large polishing brushes and high speeds for specific purposes.

Composition

Cross-linked PMMA copolymer, inorganic fillers, pigments



Notes

Only for processing in dental laboratories in accordance with intended use.

Artificial teeth from Kulzer must be used by trained dental staff/dental technicians.

This product or one of its components may in particular case cause hypersensitive reactions. If suspected, information on the ingredients can be obtained from the manufacturer.

When processing Mix & Match artificial teeth with rotating instruments, please observe the usual safety measures, such as suction, protective glasses and a protective surgical mask.

Storage and Transport

Keep out of children's reach.

In order to avoid melting the wax, Pala Mix&Match teeth should not be stored at temperatures over 28 °C (82 °F) for prolonged periods. Even if the wax becomes slightly soft, this has no adverse effects on the quality of the product.

Keep out of direct sunlight.

Disposal information

For disposal, please observe national regulations and consult the material safety data sheet (available at kulzer.com or from your Kulzer contact).

Pala denture acrylics

The optimum solution for every indication: Our Pala system has everything you need for manufacturing high-quality prostheses, from the best acrylic to first class accessories.

As a pioneer in the field of prosthetic materials, Kulzer introduced PMMA acrylic into dentistry over 80 years ago. We are continuously applying innovative processes to optimise our Pala denture acrylics for your prosthetic need. All materials are tested and certified for biocompatibility. You can rely on high durability, colour stability, mucous membrane tolerance and great aesthetics for every indication.



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