Product Information

Xthetic® temp

Crown & Bridge Resin, Autopolymer

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Product Datasheet

Xthetic® temp

Crown and bridge resin, autopolymer. Acrylic resin for the indirect, extra-oral manufacture of crowns and bridges as well as the backing and fixing of veneer shells on metal frameworks.

Indications:

- indirect, extra-oral manufacture of crowns and bridges
- backing veneer shells
- fixing veneer shells on metal frameworks
- fixing milled acrylic teeth on metal frameworks
- additions and repairs of acrylic teeth

Product features:

- easy processing
- excellent mechanical properties
- minimum shrinkage
- homogenous surface, high plaque resistance
- easy burring and polishing
- physiological, fluorescent shades and absolute color stability
- evaluated and certified biocompatibility

Mixing ratio:

10g of powder with 4-5g of liquid

Processing times:

Swelling phase: approx. 1 min
Pouring phase: approx. 2 min
Plastic phase: approx. 5 min

Polymerization:

The material polymerizes at room temperature after approximately 8-12 minutes.

Shades:

The material is available in colorless/clear, the incisal shades IC1 (brownish-grey), IC2 (reddish-grey) and IC3 (yellowish-grey) as well as the dentine shades A1, A2, A3, A3,5, A4, B3, C2, C3 and D3.

Delivery forms:

Powder: 100g, 500g
Liquid: 100ml, 500ml

Classification according to ISO 10477, Type 1 and according to MDD 93/42/EEC Annex IX, Class IIa for removable and for fixed dentures.

CE 0482

Technical Data:

Mechanical properties according to ISO 10477	Requirements	Xthetic® temp
Ultimate flexural strength in MPa	min. 50	73
Bond strength in MPa	min. 5	19

Additional properties according to ISO 10477	Requirements	Xthetic® temp
Water absorption in µg/mm³	max. 40	21
Solubility in µg/mm³	max. 7,5	1,9

Other requirements	Xthetic® temp
ISO 10477 Requirements concerning the sensitivity to ambient light	not required
ISO 10477 Requirements concerning the depth of the polymerization	not required
ISO 10477 Requirements concerning the surface finish	not required
ISO 10477 Requirements concerning the shade consistency	not required
ISO 10477 Requirements concerning the color stability	not required
ISO 10993 Requirements concerning the biocompatibility	fulfilled

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