

Instructions for Use

Zfx™ RAWDENS

Zfx™ PMMA transparent

Zfx™ PMMA pink

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 Compiled at 08.07.2014
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1. Manufacturer information

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2. Properties Zfx™ PMMA

- × Abrasion resistant fracture
- × Resistance to breakage
- × High elasticity
- × Resistant to plaque and biocompatible
- × Shade integrity/ high translucency
- × Residual monomer content less than 0.5%, free of benzoyl peroxide
- × polymerizable (cold)

3. Composition

Acrylic polymer-methyl methacrylate

4. Mechanical properties

E-modulus of elasticity	3370 MPa	In compliance with DIN EN ISO 527
Tensile strength	76.3 MPa	In compliance with DIN EN ISO 527
Breaking strength	70.3 MPa	In compliance with DIN EN ISO 527
Flexural strength	136 MPa	In compliance with DIN EN 527
Water absorption	19.36 µg/mm ³	In compliance with DIN EN ISO 10477
Solubility in water	< 1µg/mm ³	In compliance with DIN EN ISO 10477

5. Blank size and shade options

Zfx™ PMMA transparent/pink

Diameter (mm)	Thickness (mm)	Color
98.5	15	transparent, pink
98.5	20	transparent, pink
98.5	25	transparent, pink
98.5	28	transparent, pink

6. General

Zfx™ PMMA milling blanks are for the production of temporary and permanent crown and bridge restorations. Overheating through the improper use of milling instruments can result in damage to the material.

7. Notes about design

To insure dimensional stability, minimum material thickness should be 1.5 mm or greater.

8. Instructions for milling and processing

Always follow the milling machine burs operating instructions. Do not use diamond end mills or cutters as their use could lead to overheating. Zfx mills are recommended. Use air or wet-cooling for the best results. Remove the framework from blank using a thin cross-cut tungsten carbide bur. Rubber wheels and polishing pastes may be used to achieve the desired finish.



transparent



pink

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9. Characterization

Manufacturer's and coating composites can be applied for characterization. Follow the manufacturer's instructions

10. Cleaning

Alcohol, acetone and benzene in high concentrations may lead to the formation of cracks and fissures. Steam should be avoided. Mechanical or ultrasonic cleaning are viable alternatives.

11. Cementation

Most permanent and temporary cements are suitable for use with Zfx™ PMMA restorations.

12. Adverse reactions

Zfx™ PMMA is compatible with all other restorative materials. In case of clinical reaction or irritation, the restorative component should be removed!

13. Storage

Zfx PMMA™ blanks should be stored at room temperature and protected from direct sunlight.



14. Expiration date

The expiration date is indicated on the product label.

15. First aid measures

Under normal circumstances during the processing of Zfx™ PMMA blanks, no health issues should arise due to the properties of the material. Should exceptional circumstances occur, please note the following:

- × **After inhalation:** In the event of symptoms seek immediate medical attention.
- × **After skin contact:** In the event of symptoms rinse with soap and water and seek immediate medical attention.
- × **After eye contact:** In case of mechanical irritation, flush with water and seek immediate medical attention.
- × **After swallowing:** immediately seek medical attention if indicated.