



HY-BOND
GLASIONOMER
CX-Smart

EN Instructions for use
PT Instruções de uso

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71128



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EN

READ CAREFULLY BEFORE USE

GLASS POLYALKENOATE CEMENT FOR LUTING

PRODUCT DESCRIPTION

HY-BOND GLASIONOMER CX-Smart is a glass ionomer cement for permanent cementation of cast metal and porcelain fused to metal crown and bridge restorations as well as metal orthodontic appliances.

INDICATIONS FOR USE

- Cementation of crowns, bridges and inlays
- Cementation of orthodontic (metal) brackets and bands

PRECAUTIONS AND WARNINGS

1. Do not use this product on patients with known allergies to this material and/or glass polyalkenoate cements.
2. Operators with known allergies to this material and/or glass polyalkenoate cements should exercise caution while using this product.
3. In case of any inflammation or other allergic reactions in either patient or operator, immediately discontinue use and seek medical advice.
4. Use protective gloves and glasses to avoid sensitization to this product. In case of accidental contact with oral soft tissue or skin, immediately blot with alcohol moistened cotton ball, and rinse with plenty of water. In case of contact with eyes, immediately flush eyes with plenty of water and seek medical advice.
5. Follow the instructions for use of each material, instrument or equipment to be used in conjunction with this product.
6. Do not use this product for any purposes other than specifically outlined in these instructions for use.
7. Use this product within the expiration date indicated on the package or container.
(Example ☞ YYYY-MM-DD → Year-Month-Date of the expiration date)
8. This product is intended for use by dental professionals only.

DIRECTIONS FOR USE

1. Cleaning of cavity and abutment tooth
Thoroughly remove the temporary material. Rinse with water and dry following the standard method.
2. Isolation
Use a rubber dam etc to isolate the treatment area.
3. Try-in and preparation of a restoration
Try-in the restoration to confirm fit and adjust occlusion. Then, clean the adhesive surface of the restoration.
4. Pulp protection
In case of close proximity to the pulp, cap with calcium hydroxide etc.
5. Dispensing of Powder and Liquid
Dispense 1 scoop of Powder and 2 drops of Liquid, separately.
 - Standard Powder to Liquid ratio is 2.0 g : 1.0 g
 - Gently shake the powder bottle to loosen the powder before dispensing. Always use the measuring scoop provided and level off the powder for accurate dosage.
 - Invert the liquid bottle prior to use to dispense drops of bubble-free liquid. The nozzle tip should not contact the mixing pad.
 - Remove any liquid remaining around the tip of the nozzle with a wet gauze etc. for accurate measuring.
 - Tightly close the bottle caps (powder and liquid) immediately after each use. Use extra caution to protect the powder against any possible moisture contamination.

6. Mixing

Mix Powder and Liquid evenly with a plastic spatula within 30 sec.

Mixing time (23 °C)	30"	_____
Working time (23 °C)	2'00"	From start of mixing
Setting time (37 °C)	Approx. 2'30"	After seating the restoration in patient's mouth

Note) Setting time after end of mixing stipulated in ISO 9917-1 is 2'30".

- In cases ambient temperature is higher than 23 °C, working time will be shortened, and if the temperature is lower than 23 °C, working time will be elongated.
- Do not add extra liquid while mixing to prevent degradation of the material properties.
- Do not mix powder or liquid with components of other glass polyalkenoate cements.

7. Placement of the restoration

Apply the cement mixture evenly on the restoration surface to be cemented. Seat the restoration onto the cavity or abutment tooth. Hold in place with moderate pressure until the cement sets. Standard setting time is approximately 2'30" after placing the restoration.

- Avoid contamination of the restoration surface to be cemented. If the surface is contaminated by saliva or blood, thoroughly clean the surface with an alcohol moistened cotton ball.

8. Removal of excess cement

Remove excess cement with an instrument after it exhibits rubber consistency (1 min. - 2 min. after placing the restoration in patient's mouth).

COMPOSITION

POWDER: Fluoroaluminosilicate glass, HY agent, Pigments
LIQUID: Acrylic acid tricarboxylic acid co-polymer solution, Tartaric acid, Purified water

STORAGE

Store at room temperature (1-30 °C). Avoid high temperature and high humidity. Keep away from direct sunlight.