



HEALBOND Universal

GB

Description of the product

HEALBOND MPI is a single component self-etching, light-cure universal bonding system. The special low toxicity TEGDMA, BisGMA-free, and with no addition of HEMA formulation, still ensures a strong and durable bonding.

- In a self-etch mode, to enable the shortest possible treatment time and to minimize postoperative sensitivities.
- With selective enamel etching to maximize the adhesion to the enamel.
- With enamel and dentin etching [total etch], if the etching process cannot be restricted to the enamel, or when the tooth is devitalized.

Indications for use

- To bond light-cure composite during direct restoration procedures.
- Internal repair of indirect composite restorations, porcelain fused to metal, and all-ceramic restorations without primer.
- To bond Elondent dual-cure and/or self-cure core build-up materials without using Universal Activator to the walls of cavities and to the surface of metal posts and reinforced fiber posts.
- In combination with InnoCem, definitive resin cement, as an adhesive for:
 - Definitive cementation of small Maryland bridges [2 to 4 elements]
 - Definitive cementation of composite and all-ceramic veneers when the retention is poor.
 - Definitive cementation of metal posts or reinforced fiber posts.
- Protective varnish for glass ionomer fillings.

Light-curing of HEALBOND Universal and/or the use of a dual-curing activator are optional if it is used in conjunction with our products: resin-cements and core build-up composites.

Warnings

- The product contains methacrylate resins and alcohol which may irritate skin, eyes and oral mucosa. It may cause allergic contact dermatitis in susceptible persons. Avoid eye contact to prevent irritation and possible corneal damage. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
- Avoid skin contact to prevent irritation and possible allergic response. In case of contact, reddish rashes may be seen on the skin. If contact with skin occurs, immediately remove material with cotton and wash thoroughly with water and soap. In case of skin sensitization or rash, discontinue use and seek medical attention.
- Avoid contact with oral soft tissues/mucosa to prevent inflammation. If accidental contact occurs, immediately remove material from the tissues.
- Flush mucosa with plenty of water after the restoration is completed and expectorate/evacuate the water. If sensitization of mucosa persists, seek medical attention.
- The product is a corrosive liquid and is flammable. Keep away from sources of ignition.
- Avoid ingestion of the product. If signs of digestive disorder appear, contact a doctor.

Precautions

- The use of this product is solely restricted to dental personnel.
- The product must not be used for any purpose other than specified in the indications.
- Dental professional should wear suitable protective eyewear, mask, clothing, and gloves.
- Protective eyewear is recommended for patients.
- Isolation of the operating field is requested (e.g. dental dam).
- Dispose according to the national and/or federal standards in force.

Contraindication

HEALBOND Universal is contraindicated in patients with a history of allergic reaction to any of the components.

Important notice

Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.

Incompatibilities

- The product should not be used with eugenol-containing materials for pulp protection or temporary sealing since the eugenol can retard or impair the curing process.
- The product cannot be used with a hydrogen peroxide solution for cleaning cavities since it may weaken the bond of the restorative material.
- The product cannot be used with hostomastic agents containing ferric compounds, since these materials may impair adhesion and may cause discoloration of the tooth margin or surrounding gingiva, due to remaining ferric particles.

Composition

Silane (0.5-2%) - MDP (5-20%) - Dimethacrylate resins (15-25%) - Camphorquinone (<1%) - Accelerators (<1%) - BHT (<1%) - Glass fillers (11-10%) - Ethanol (15-30%) - Water (15-30%)

Times

Halogen/LED lamp (800 to 1400mW/cm2): 10 seconds for polymerization. 5 seconds when use with compatible products such as InnoCem or Core D which complete the curing process of HEALBOND Universal.

Clinical procedures

Veneers, Crowns, Bridges, Inlays, onlays and metal-based Bonding Composites to dentin/enamel

- Rubber dam is the recommended method if isolation to keep the working area free of blood and saliva, and to protect soft tissues.
- Apply a uniform coating of HEALBOND Universal onto the prepared dentin and enamel surfaces for 15 seconds with a rubbing motion.
- Gently dry with water-free and oil-free air for 5-10 seconds to evaporate the solvent base and to disperse the adhesive homogeneously. Keep the surface slightly wet for maximum bonding strength.
- Apply composite of your choice per manufacturer's instructions for use.

Note

Ceramic restorations must be cemented before checking the fit and the homogeneity of the resin cement of your choice to the restoration and seat it.

Definitive cementation of root canal posts and bonding of dual-cure core build up composite

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Note

HEALBOND Universal produces high enamel bond strengths without the use of etching. However, etching gel can be used on enamel and/or dentin if a total etch or selective enamel etch technique is desired. In that case, during step 2, after preparation and before applying a cavity liner, if needed, etch Enamel or Dentin surfaces for 15 seconds, then rinse thoroughly with water spray for 15 seconds and gently dry (do not over-dry). Proceed to step 4.

INDIRECT RESTORATIONS

Teeth structures preparation

- Prepare the teeth in a conventional manner. Enamel surfaces should be etched, to improve the adhesive strength.
- Try in restoration to verify its good adaptation, especially at the limits of the preparation.
- Clean the tooth structures, rinse thoroughly with a water spray, and gently dry. Do not over dry. The tooth structures should be just dry enough that the surface has a slightly glossy appearance.
- Isolate the operating field (dental dam).
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Core build-up

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Preparation of restorations

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Notes

- Do not use the product to sun-light or warm sources.
- The product should be tightly closed immediately after use.
- Store at a temperature between 5°C and 25°C. When the product is stored in the refrigerator, it should be brought back to room temperature 15 minutes minimum before use, to restore its normal viscosity and curing time.
- Use at room temperature.
- Never store close to sparks and open fire.

Important notice

- Do not throw away the box and the instruction for use until the product is finished.
- High humidity could damage the packaging on which important instructions and legal information is printed.
- Storage at a too high temperature could cause to age prematurely and inhibit its polymerization.
- Storage at a too low temperature leads to the decomposition of the product which will render it completely unusable.

Disclaimer

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Definitive cementation of root canal posts and bonding of dual-cure core build up composite

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