

YBOND UNIVERSAL – English

INSTRUCTIONS FOR USE



MANUFACTURED AND DISTRIBUTED BY:

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REV:08

1. PRODUCT IDENTIFICATION

1.1. Technical name

Self-Etch Universal Adhesive

1.2. Product's trade name

YBOND UNIVERSAL

1.3. Description of the physical principle and fundamentals of product's technology, applied for its operation and its action

YBOND UNIVERSAL is a universal, light-curing, single-component, multipurpose dental bonding agent for application on different substrates (enamel, dentin, metal, ceramics).

YBOND UNIVERSAL can be applied according to the desired adhesive technique: either conventional (pre-conditioned with phosphoric acid gel), self-etching (no acid etching) or selective enamel etching.

YBOND UNIVERSAL is a versatile product that simplifies the technique by reducing the number of steps and is fully compatible with all dental restorative materials, promoting the union between restorative material and dental structure.

1.4. Specifications and technical features

1.4.1. Composition

Components
Hydrophilic methacrylate monomers
Hydrophobic methacrylate monomers
Initiators
Stabilizers
Silane
Solvents: ethanol, water
Silanized nanoparticles

2. STORAGE

YBOND UNIVERSAL should be stored at room temperature (23° C) and in a dry place.

YBOND UNIVERSAL should not be exposed to heat and sunlight or other sources of direct light

3. INSTRUCTIONS FOR USE

Application techniques:

3.1. Direct Restorations

After preparing and cleaning the cavity, proceed with the following steps:

3.1.1. Conventional Technique (with acid etching):

- Apply the 37% phosphoric acid gel on enamel and dentin: The phosphoric acid gel should be in contact with enamel for 30 seconds and in contact with dentin for 15 seconds. Remove the phosphoric acid gel with a spray of air and water. The enamel should be dry and any excess moisture from the dentin should be removed with absorbent paper, keeping the dentin surface slightly moist;

- Apply YBOND UNIVERSAL adhesive on enamel and dentin: The adhesive must be applied with the aid of a brush-shaped micro-applicator by gently swirling it over the entire surface for approximately 10 seconds to ensure its full coverage. Then the solvent should be blown off and another layer of YBOND UNIVERSAL should be applied and the solvent evaporation step repeated. Light cure for 20

seconds. The surface should look shiny, otherwise repeat application;

- Insert the restorative material according to the manufacturer's instructions.

3.1.2. Self-Etching Technique:

- The YBOND UNIVERSAL adhesive should be actively applied with the aid of a brush-shaped micro applicator over the entire surface for 20 seconds. Then the solvent should be blown off and another layer of YBOND UNIVERSAL should be applied and the solvent evaporation step should be repeated. Light cure for 20 seconds.

3.1.3. Selective Enamel Etching Technique:

- Apply the 37% phosphoric acid gel only on enamel for 30 seconds following the steps described in the technique with acid etching. After this step YBOND UNIVERSAL adhesive should be applied over the entire prepared surface (enamel and dentin) as described in the self-etching technique

3.2. Indirect Restorations

After preparing and cleaning the substrate, proceed with the following steps:

- Choose the conventional or self-etching technique and proceed with the steps described for indirect restorations for application of YBOND UNIVERSAL to the substrate;

- Conduct the etching of the vitreous ceramic surface with hydrofluoric

acid as recommended by the manufacturer.

- Spray composite, zirconia and metal surfaces, preferably with aluminum oxide blasting $\leq 40\mu$;
- Wash surfaces with water spray and air dry or absorbent paper;
- Apply the YBOND UNIVERSAL adhesive with the aid of a brush-shaped micro-applicator over the entire surface for 20 seconds. Then the solvent should be blown off and another layer of the YBOND UNIVERSAL should be applied and the solvent evaporation step repeated. Light cure for 20 seconds.
- Cement the indirect restoration with resin cement according to the manufacturer's instructions for use.

3.3. Restoration repair and cementation (composite, vitreous ceramics, zirconia and metal)

- Make the restoration surface rough, preferably with aluminum oxide jet $\leq 40\mu$. The glaze of ceramic restorations should be removed within 1mm of the margin;
- The surfaces should be washed with water spray and air dried or absorbent paper balls. Then apply the YBOND UNIVERSAL adhesive over the entire surface, evaporate the air blast solvent for 10 seconds and light cure the material for 20 seconds.

3.4. Cementation of intra-root pins

After preparing and cleaning the root canal, proceed with the following steps:

- Apply the YBOND UNIVERSAL adhesive with the aid of a brush-

shaped micro-applicator over the entire surface for 20 seconds. Then the solvent should be blown off and another layer of the YBOND UNIVERSAL should be applied and the solvent evaporation step repeated. Light cure for 20 seconds;

- Cement the intra-root pin following the manufacturer's instructions.

4. CAUTION, RESTRICTIONS AND WARNINGS

4.1. Caution

- YBOND UNIVERSAL adhesive must be used only by professionals;
- Keep the product out of children's reach;
- This is a flammable product;
- Keep the bottle closed to prevent the solvent's evaporation.

4.2. Restriction and warnings

- Eyes: it may cause moderate irritation;
- Skin: it may cause moderate irritation;
- Ingestion: it may cause gastric irritation;
- Inhalation: it may cause an irritation in the upper respiratory tract;
- Allergy: the product is contraindicated for people allergic to the components of the formula;
- Do not use it straight on the tooth's pulp;
- Avoid direct contact of YBOND UNIVERSAL with skin and eyes. In case of contact, immediately remove material and wash thoroughly with soap and water.

5. APPLICATION

- Direct restorations of photopolymerizable resin, composite,

compomer, and resin modified glass ionomer;

- Indirect restorations: inlay, onlay, and laminates;
- Desensitizer for exposed root surfaces;
- Restorations with intra-root retainer (when used in conjunction with a resin cement);
- Prosthetic restorations: single crowns and fixed prostheses of more elements (when used in conjunction with a resin cement);
- Preparation of filling cores for fixed prostheses;
- Adhesive repairs;
- As a metallic primer.

6. VALIDITY

Manufacture and expiration dates. See packaging.

7. PRODUCT REGISTRATION

National Health Surveillance Agency
Registration: 81009350001

Yller Biomaterials SA is not responsible for damages of any nature caused by incorrect use or use not provided for in the instructions for use.



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