

Self-Etching Adhesive/Dual Cure Activator/Silane Coupling Agent**PRODUCT DESCRIPTION**

BeautiBond Universal is a self-etching adhesive, which modifies tooth, ceramics (alumina, zirconia) or metal surface to enhance bonding. **BeautiBond Universal DC** is a dual activator, which polymerizes the monomer incorporated in **BeautiBond Universal Adhesive** with the polymerization initiator. **BeautiBond Universal CR** is an enhancer that primates the ceramics (silicate glass, lithium silicate glass) or composite resin surface to enhance bonding.

INDICATIONS FOR USE

Direct restorations with light-cured composite resin
Repairs of fractured restorative materials with light-cured composite resin
Ceramic restorations with light-cured core materials

PRECAUTIONS AND WARNINGS

1 Do not use this product on patients with known allergies to this material, methacrylate monomer and/or acetone.
2 Patients with known allergies to methacrylate monomer under certain conditions must not use this product.
3 If any irritation or other allergic reactions occur on either the patient or operator, immediately discontinue use and seek medical advice.

4 Use in well ventilated areas to avoid inhalation of acetone. If inhalation causes nausea, illness, taste and/or difficulty breathing, seek medical advice.
5 Avoid any source of ignition since this product is flammable.

6 Use medical (adult) gloves and protective glasses to avoid sensitization by the adhesive. Use a dental (child) glove and mask to avoid sensitization by the composite resin. Some monomers may penetrate through the gloves very quickly to the restoration area while light-curing. In this case, remove the gloves immediately and wash hands with plenty of water.

7 In case of contact with eyes, immediately flush the eyes with a lot of water and seek medical advice.
8 If any irritation or other allergic reactions occur on either the patient or operator, immediately discontinue use and seek medical advice.

9 Use of direct restorations with light-cured composite resin should be avoided if the patient has any known allergies to the material. This may turn them ill, however, it should resolve in 2-3 days. Avoid touching or brushing the area.

10 Follow the instructions for use of each dental material, instrument or equipment to be used in conjunction with this product.

11 Do not use this product for purposes other than specifically outlined in these instructions for use.

12 Do not use this product within the expiration date indicated on the package and container.

(Example: A-XXX-MM-DD – Year-Month-Day of the expiration date)

13 This product is intended for use by dental professionals only.

DIRECTIONS FOR USE**Preparation**

Allow the materials to reach room temperature before use when stored in the refrigerator. (The material might pour out from the bottle excessively.)

Bottle: Dispense adequate amount of the material onto a V-Dish and apply with a brush.

Unit Disk: Snap off the cap and apply with a brush.

DC Activator: Dispense adequate amounts (one drop each) of Adhesive and DC Activator and mix with a brush to apply.

CR Enhancer: Dispense adequate amount of the material onto a dish and apply with a brush.

A. Direct restorations or repair of fractured restorations with light-cured composite resin

A-1 Preparation
A-1-1 Preparation of natural tooth:
Very thoroughly clean the tooth. Then, prepare cavity, isolate and required, cap the pulp following the standard method.

A-1-2 Preparation of ceramics, composite resin and metal (for repair)
Roughen the adhesive surface with an abrasive, rinse with water and dry.

A-2 Adhesive treatment:
Roughen the adhesive surface with the entire abrasive or sandblast with 50-100 µm alumina sand at a prescribed pressure described in Table 1. Then, rinse with water and dry.

A-3 Light-curing:
Light-cure with a dental curing unit. Halogen for 10 sec./LED for 5 sec.

A-4 Application of direct restorations:
Prepare and fit the direct restorations, create the composite resin and light-cure. Then, contour, finish and polish the light-cure restoration following the manufacturer's instructions for use.

B. Cementation of indirect restorations with dual-cured resin

B-1 Preparation of indirect restorations:
Reinforce the restoration surface to be cemented with an abrasive or sandblast with 50-100 µm alumina sand at a prescribed pressure described in Table 1. Then, rinse with water and dry.

B-2 Placement of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

B-3 Preparation of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

B-4 Composition:
Light-cure with a dental curing unit. Halogen for 10 sec./LED for 5 sec.

B-5 Preparation of indirect restorations:
Prepare and fit the direct restorations, create the composite resin and light-cure. Then, contour, finish and polish the light-cure restoration following the manufacturer's instructions for use.

C. Cementation of indirect restoration with light-cured resin cement

C-1 Preparation of indirect restoration:
Roughen the restoration surface to be cemented with an abrasive or sandblast with 50-100 µm alumina sand at a prescribed pressure described in Table 1. Then, rinse with water and dry.

C-2 Preparation of the restoration:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

C-3 Light-curing:
Light-cure with a dental curing unit. Halogen for 10 sec./LED for 5 sec.

C-4 Application of indirect restorations:
Prepare and fit the direct restorations, create the composite resin and light-cure. Then, contour, finish and polish the light-cure restoration following the manufacturer's instructions for use.

D. Stabilization of indirect restorations with dual-cured resin cement

D-1 Preparation of indirect restorations:
Reinforce the restoration surface to be cemented with an abrasive or sandblast with 50-100 µm alumina sand at a prescribed pressure described in Table 1. Then, rinse with water and dry.

D-2 Placement of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

D-3 Preparation of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

D-4 Composition:
Light-cure with a dental curing unit. Halogen for 10 sec./LED for 5 sec.

D-5 Preparation of indirect restorations:
Prepare and fit the direct restorations, create the composite resin and light-cure. Then, contour, finish and polish the light-cure restoration following the manufacturer's instructions for use.

E. Cementation of indirect restorations with dual-cured resin cement (bijv. cements van veneer)

E-1 Preparation of indirect restorations:
Roughen the restoration surface to be cemented with an abrasive or sandblast with 50-100 µm alumina sand at a prescribed pressure described in Table 1. Then, rinse with water and dry.

E-2 Preparation of the restoration:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

E-3 Light-curing:
Light-cure with a dental curing unit. Halogen for 10 sec./LED for 5 sec.

E-4 Application of indirect restorations:
Prepare and fit the direct restorations, create the composite resin and light-cure. Then, contour, finish and polish the light-cure restoration following the manufacturer's instructions for use.

F. Bonding of indirect restorations with dual-cured resin composite:

F-1 Preparation of indirect restorations:
Roughen the restoration surface to be cemented with an abrasive or sandblast with 50-100 µm alumina sand at a prescribed pressure described in Table 1. Then, rinse with water and dry.

F-2 Placement of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

F-3 Preparation of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

F-4 Composition:
Light-cure with a dental curing unit. Halogen for 10 sec./LED for 5 sec.

F-5 Preparation of indirect restorations:
Prepare and fit the direct restorations, create the composite resin and light-cure. Then, contour, finish and polish the light-cure restoration following the manufacturer's instructions for use.

G. Bonding of indirect restorations with dual-cured resin composite:

G-1 Preparation of indirect restorations:
Roughen the restoration surface to be cemented with an abrasive or sandblast with 50-100 µm alumina sand at a prescribed pressure described in Table 1. Then, rinse with water and dry.

G-2 Placement of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

G-3 Preparation of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

G-4 Composition:
Light-cure with a dental curing unit. Halogen for 10 sec./LED for 5 sec.

G-5 Preparation of indirect restorations:
Prepare and fit the direct restorations, create the composite resin and light-cure. Then, contour, finish and polish the light-cure restoration following the manufacturer's instructions for use.

H. Bonding of indirect restorations with dual-cured resin composite:

H-1 Preparation of indirect restorations:
Roughen the restoration surface to be cemented with an abrasive or sandblast with 50-100 µm alumina sand at a prescribed pressure described in Table 1. Then, rinse with water and dry.

H-2 Placement of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

H-3 Preparation of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

H-4 Composition:
Light-cure with a dental curing unit. Halogen for 10 sec./LED for 5 sec.

H-5 Preparation of indirect restorations:
Prepare and fit the direct restorations, create the composite resin and light-cure. Then, contour, finish and polish the light-cure restoration following the manufacturer's instructions for use.

I. Bonding of indirect restorations with dual-cured resin composite:

I-1 Preparation of indirect restorations:
Roughen the restoration surface to be cemented with an abrasive or sandblast with 50-100 µm alumina sand at a prescribed pressure described in Table 1. Then, rinse with water and dry.

I-2 Placement of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

I-3 Preparation of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

I-4 Composition:
Light-cure with a dental curing unit. Halogen for 10 sec./LED for 5 sec.

I-5 Preparation of indirect restorations:
Prepare and fit the direct restorations, create the composite resin and light-cure. Then, contour, finish and polish the light-cure restoration following the manufacturer's instructions for use.

J. Bonding of indirect restorations with dual-cured resin composite:

J-1 Preparation of indirect restorations:
Roughen the restoration surface to be cemented with an abrasive or sandblast with 50-100 µm alumina sand at a prescribed pressure described in Table 1. Then, rinse with water and dry.

J-2 Placement of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

J-3 Preparation of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

J-4 Composition:
Light-cure with a dental curing unit. Halogen for 10 sec./LED for 5 sec.

J-5 Preparation of indirect restorations:
Prepare and fit the direct restorations, create the composite resin and light-cure. Then, contour, finish and polish the light-cure restoration following the manufacturer's instructions for use.

K. Bonding of indirect restorations with dual-cured resin composite:

K-1 Preparation of indirect restorations:
Roughen the restoration surface to be cemented with an abrasive or sandblast with 50-100 µm alumina sand at a prescribed pressure described in Table 1. Then, rinse with water and dry.

K-2 Placement of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

K-3 Preparation of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

K-4 Composition:
Light-cure with a dental curing unit. Halogen for 10 sec./LED for 5 sec.

K-5 Preparation of indirect restorations:
Prepare and fit the direct restorations, create the composite resin and light-cure. Then, contour, finish and polish the light-cure restoration following the manufacturer's instructions for use.

L. Bonding of indirect restorations with dual-cured resin composite:

L-1 Preparation of indirect restorations:
Roughen the restoration surface to be cemented with an abrasive or sandblast with 50-100 µm alumina sand at a prescribed pressure described in Table 1. Then, rinse with water and dry.

L-2 Placement of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

L-3 Preparation of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

L-4 Composition:
Light-cure with a dental curing unit. Halogen for 10 sec./LED for 5 sec.

L-5 Preparation of indirect restorations:
Prepare and fit the direct restorations, create the composite resin and light-cure. Then, contour, finish and polish the light-cure restoration following the manufacturer's instructions for use.

M. Bonding of indirect restorations with dual-cured resin composite:

M-1 Preparation of indirect restorations:
Roughen the restoration surface to be cemented with an abrasive or sandblast with 50-100 µm alumina sand at a prescribed pressure described in Table 1. Then, rinse with water and dry.

M-2 Placement of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

M-3 Preparation of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

M-4 Composition:
Light-cure with a dental curing unit. Halogen for 10 sec./LED for 5 sec.

M-5 Preparation of indirect restorations:
Prepare and fit the direct restorations, create the composite resin and light-cure. Then, contour, finish and polish the light-cure restoration following the manufacturer's instructions for use.

N. Bonding of indirect restorations with dual-cured resin composite:

N-1 Preparation of indirect restorations:
Roughen the restoration surface to be cemented with an abrasive or sandblast with 50-100 µm alumina sand at a prescribed pressure described in Table 1. Then, rinse with water and dry.

N-2 Placement of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

N-3 Preparation of indirect restorations:
Apply adhesive to the restoration surface and leave undisturbed for 10 sec. Air dry with gentle air for 3 sec. and then, dry with stronger air to dry the surface.

N-4 Composition:
Light-cure with a dental curing unit. Halogen for 10 sec./LED for 5 sec.

N-5 Preparation of indirect restorations:
Prepare and fit the direct restorations, create the composite resin and light-cure. Then, contour, finish and polish the light-cure restoration following the manufacturer's instructions for use.

O. Bonding of indirect restorations with dual-cured resin composite:

