

Zipbond universal is a single component, fluoride releasing, light cured universal adhesive system designed to provide consistent and reliable bond strengths using self etch, selective enamel etch, or total etch techniques.

COMPOSITION:

Adhesive monomers including MDP
Ethanol
Water
Fluoride

INDICATIONS:Direct Applications

- Light cured composite restorations
- Light cured compomers
- Cavity sealing prior to placement of indirect restorations
- Composite repair of porcelain and hybrid ceramic restorations
- Sealing exposed root surfaces which are causing hypersensitivity
- Core build ups using light cure/dual cure composites
- Protective varnish for glass ionomer (GI) filling

Indirect Applications

- Cementation of indirect restorations

CONTRAINDICATIONS:

1. Do not use for pulp capping.
2. Any persons having known resin allergies should refrain from using Zipbond Universal.
3. Not to be used in combination with eugenol materials or haemostatics containing ferric compounds.
4. Do not use substances such as desensitisers, disinfectants (NOTE: Chlorhexidine solutions can be used), astringents, dentine sealants, rinsing solutions containing EDTA or hydrogen peroxide. The residues of these substances can impair the bond strength and setting reaction of the adhesive, particularly with self-cure and dual cure materials.

INSTRUCTIONS FOR USE:Preparation:

Isolation techniques must be used to prevent contamination. Rubber dam is the preferred mode of isolation. In cases where pulp protection is necessary, use a calcium hydroxide liner.

Tooth Preparation

1. Remove loose preparation debris by spraying with water.
2. Gently air-dry using 2-3 bursts of oil/water-free air or cotton pellets.

! Do not over dry the cavity. The cavity surface should have a slightly glossy appearance (do not desiccate). Over drying can lead to post-operative sensitivity.

DIRECT ADHESIVE APPLICATIONDirect filling restorations using light-cured composite and compomers/Cavity sealing prior to placement of indirect restorationsSelf-Etch Technique

Bottle delivery: Dispense one or two drops (depending on restoration size) of Zipbond Universal into a mixing well. Immediately replace the cap.

Unit dose delivery: Open the unit dose device and insert a brush applicator (e.g. SDI Points) into the container to saturate the tip.

NOTE: Proceed to the next steps quickly as the liquid can evaporate and result in poor bonding.

1. Apply adhesive into the cavity by scrubbing for 10 seconds with a brush (e.g. SDI Points).
2. Leave on cavity surface for 10 seconds.
3. Blow with water/oil-free air until you see no movement of the bond (minimum 5 seconds).
NOTE: A vacuum aspirator can be used to prevent adhesive liquid from scattering.
4. Light cure for 10 seconds (460-480nm wavelength, high power LED curing light such as Radium Plus).
5. Place composite such as Aura, Aura Easy or Aura Bulk Fill, or place indirect restoration according to manufacturer's instructions for use.

Selective Etch Technique

1. Apply phosphoric acid etching gel (e.g. SDI Super Etch 37%) to tooth enamel and leave for 10 seconds.
2. Rinse thoroughly with water and dry with water/oil-free air or with cotton pellets. Do not over dry.
3. Apply adhesive according to steps in 'Self-Etch Technique'.

Total Etch Technique

1. Apply phosphoric acid etching gel 37% (e.g. SDI Super Etch) to tooth structure (enamel & dentine) and leave for 10 seconds.
2. Rinse thoroughly with water and dry with water/oil-free air or with cotton pellets. Do not over dry.
3. Apply adhesive according to 'Self Etch Technique'.

Composite repair of porcelain and hybrid ceramic restorations

1. Prepare substrate according to Manufacturer's Instructions For Use.
2. Apply adhesive to the substrate by scrubbing for 10 seconds with a brush (e.g. SDI Points).
3. Leave on substrate surface for 10 seconds.
4. Blow with water/oil-free air until you see no movement of the bond (minimum 5 seconds).
NOTE: A vacuum aspirator can be used to prevent adhesive liquid from scattering.
5. Light cure for 10 seconds (460-480nm wavelength, high power LED curing light such as Radium Plus).
6. Place composite such as Aura or Aura Easy according to manufacturer's instructions for use.

Sealing exposed root surfaces which are causing hypersensitivity

1. Clean tooth surface according to 'Tooth Preparation'.
2. Apply adhesive to tooth surface according to 'Self Etch Technique'.
3. Apply a composite (eg SDI Wave, Wave MV or Wave HV) according to manufacturer's instructions for use.

Core build ups using light cure/dual cure composites

1. Apply Zipbond Universal to tooth structure to be crowned according to 'Self Etch Technique'.
2. Place light cure composites such as Aura, Aura Easy, Aura Bulk Fill or dual cure composite according to manufacturer's instructions for use.
NOTE: Zipbond Universal must be light cured before applying a dual cure composite.
3. Begin initial crown preparation.

Protective varnish for glass ionomer (GI) filling

1. Apply Zipbond Universal to the prepared tooth and scrub for 10 seconds with a brush (e.g. SDI points).
2. Leave on the prepared tooth surface for 10 seconds.
3. Blow with water/oil-free air until you see no movement of the bond (minimum 5 seconds).
4. Light cure for 10 seconds (460-480nm wavelength, high power LED curing light).
5. Adjust the occlusion if necessary and reapply the adhesive to the adjusted areas to ensure the surface of the GI is protected.
6. Use a cotton pellet to remove the oxygen inhibition layer.

INDIRECT ADHESIVE APPLICATIONSubstrate Preparation

Proceed according to the manufacturer's instructions for use of the substrate.

After substrate has been prepared using the technique advised by the manufacturer, Zipbond Universal can be applied to the substrate according to the following steps:

Bottle delivery:

Dispense one or two drops (depending on substrate size) of Zipbond Universal into a mixing well. Immediately replace the cap.

Unit dose delivery:

Open the unit dose device and insert a brush applicator (e.g. SDI Points) into the container to saturate the tip. NOTE: Proceed to the next steps quickly as the liquid can evaporate and result in poor bonding.

1. Apply adhesive to the substrate.
2. Leave on substrate surface for 10 seconds.
3. Blow with water/oil-free air until you see no movement of the bond (minimum 5 seconds).
NOTE: A vacuum aspirator can be used to prevent adhesive liquid from scattering.
4. Light cure for 10 seconds (460-480nm wavelength, high power LED curing light).
5. The etching technique of your choice can be selected for your prepared tooth cavity. Carry out the application of the adhesive using your selected technique.
6. Apply luting cement as advised by substrate manufacturer's instructions for use and place indirect restoration on tooth accordingly.

STORAGE AND HANDLING:

Store at temperatures between 2°C (35°F) - 25°C (77°F). Use at room temperature between 20°C (68°F) and 25°C (77°F).

PRECAUTIONS:

Zipbond Universal contains ethanol, a flammable substance. Do not use it near an open flame. Avoid prolonged contact of etchant, adhesive and composite with the skin or oral tissue, as it may cause inflammation of the oral tissues or skin sensitisation. Discontinue use if any irritation develops.

For professional use only. Keep out of reach of children.

Do not take internally.

Do not use after expiry date.

Do not expose material to direct light or heat. Keep stored away from direct light or heat.

Caution: Federal Law restricts this device to sale by or on the order of a dentist.

SDS available at www.sdi.com.au or contact your regional SDI representative.

FIRST AID:

Eye (contact): Wash thoroughly with water and seek medical attention.

Skin (contact): Remove contaminated clothing. Wash skin thoroughly with water to remove solution. Seek medical attention in the event of irritation.

Ingestion: Drink plenty of water/milk. Seek medical attention if irritation persists.

Inhalation: No symptoms expected.

PACKAGING:

- Zipbond Single Dose Kit
50 x Zipbond 0.1mL Single Dose
50 x Points disposable brush applicators
1 x Single dose holder
- Zipbond Bottle Kit:
1 x Zipbond 5mL bottle
2 x Super Etch 2mL syringes
Accessories
- Zipbond Refill
1 x Zipbond 5mL bottle



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