

Trial Fitting of the Restoration

- Make a trial insertion of the final restoration and check its fit and contact points.
- You can use 3M™ RelyX™ Try-In Paste for the selection of the matching 3M™ RelyX™ Universal Resin Cement shade.

Optional:

Adjustments

Further adjustments (of e.g. the contact points) may be necessary. These adjustments can easily be made with any composite resin (e.g. 3M™ Filtek™ Easy Match Universal Restorative, 3M™ Filtek™ Universal Restorative or 3M™ Filtek™ Supreme XTE Universal Restorative).

Procedure:

- Roughen the area to be repaired using coarse diamonds or by sandblasting. Then thoroughly rinse with water and dry with water- and oil-free compressed air.
- Use the disposable applicator to apply Scotchbond Universal Plus Adhesive to the entire bonding surface and rub it in for 20 seconds. During treatment, rewet the disposable applicator as required.
- Subsequently direct a gentle stream of air over the liquid for a minimum of 5 seconds until it no longer moves and the solvent has evaporated completely.
- Polymerize the adhesive with a commonly used curing light (e.g., 3M™ Elipar™ DeepCure-S LED, 3M™ Elipar™ DeepCure-L or 3M™ Elipar™ S10 Curing Lights) for 10 seconds. Apply the composite according to the respective instructions for use.

Adhesive Cementation

Please refer to the Instructions for Use (IFU) for 3M™ RelyX™ Universal Resin Cement and 3M™ Scotchbond™ Universal Plus Adhesive for further information. Note: RelyX Universal cement can only be used with Scotchbond Universal Plus Adhesive. Other adhesives have not been approved for use.

Preparation of the Tooth Stump

Clean the stump thoroughly, rinse with a water spray, and lightly air dry in only 2–3 bursts of water-free and oil-free air, or use, e.g., cotton pellets to dry it off. Do not overdry. Do not use hydrogen peroxide (H₂O₂) or sodium bicarbonate (NaHCO₃) or other substances such as desensitizers, disinfectants, astringents, dentin sealants, rinsing solutions containing EDTA, scanning powder, etc., after the final cleaning.

Pre-Treatment and Priming of the Restoration

- Sandblast surfaces to be cemented. Use 30 µm to 50 µm aluminum oxide at a pressure of 2 bar (30 psi).
- Clean the blasted surface with alcohol and dry it with water-free and oil-free air.
- Use the disposable applicator to apply Scotchbond Universal Plus Adhesive to the entire bonding surface and rub it in for 20 seconds. During treatment, rewet the disposable applicator as required.
- Subsequently direct a gentle stream of air over the liquid for a minimum of 5 seconds until it no longer moves and the solvent has evaporated completely.
- Protect the restoration from light until seating

Etching of the Tooth Structure

Scotchbond Universal Plus Adhesive is self-etching. Adhesion can be maximized by selective enamel etching or by the etching of enamel and dentin (“Total Etch Procedure”). Uncut enamel must be etched. Total-Etch is required for veneers, occlusal veneers/tabletops.

- Follow the instructions for use for the application of the etching gel.
- When using 3M™ Scotchbond™ Universal Etchant, apply the etching gel to the precise area of the enamel and/or dentin and allow it to react for 15 seconds. Then rinse thoroughly for 15 seconds with a water spray while using suction. Dry with water-free and oil-free air or with cotton pellets. Do not overdry!

Application of Scotchbond Universal Plus Adhesive to the Tooth Structure

- Use the disposable applicator to apply the adhesive to the entire tooth structure and rub it in for 20 seconds. Avoid contact between the adhesive and the oral mucosa.
- Subsequently direct a gentle stream of air over the liquid for a minimum of 5 seconds until it no longer moves, and the solvent has evaporated completely.
- Light curing of Scotchbond Universal Plus is not required when used in combination with RelyX Universal Resin Cement.; it may optionally be polymerized (see Times table).

Application of RelyX Universal Resin Cement to tooth and/or restoration

- Attach the mixing tip by turning it full 90° in the direction of the printed arrow until it stops.
- Extrude and discard a small quantity of paste.
- Wet the entire area of the tooth walls, and, if necessary, the surface of the restoration to be cemented evenly with RelyX Universal cement.
- For veneers: we recommend cementing a maximum of 2 veneers at the same time.
- Remove and discard the used mixing tip after application; the syringe closes itself with the built-in rotary valve.

Removal of Excess for Best Esthetic Results

- Remove the excess before polymerization, e.g., using a sponge pellet, while using a suitable instrument to hold the restoration in place.
- Cover the margins of the restoration with a glycerin gel to prevent oxygen inhibition.
- Proceed to polymerization and finishing.

Fast Removal of Excess

- Remove excess cement after brief light exposure (approximately 2–3 seconds) with an appropriate instrument (e.g., scaler). Use a suitable instrument to hold the restoration in position during this procedure.

Polymerization and Finishing

- We recommend light-curing the cement through the restoration. Select the exposure times appropriate for the number of surfaces (see Times table). Recommended light-curing devices: Elipar DeepCure-S LED, Elipar DeepCure-L or Elipar S10 curing lights.
- Finish any remaining uneven areas on the edges of restorations and polish the marginal area with diamond devices, aluminum oxide coated discs (e.g., 3M™ Sof-Lex™ Finishing and Polishing system), and diamond polishing paste.

Times (min:sec)	RelyX Universal	Scotchbond Universal Plus
Maximum working time from start of mixing	02:00	–
Light curing in a light wavelength range between 400 nm and 500 nm and a light intensity $\geq 1200 \text{ mW/cm}^2$ *		
Single surface, from occlusal	00:10	00:10 (optional)
Any other surface additional	00:10	–

*If lower light intensity is used, the exposure time must be extended in accordance with the instructions of the light-curing device manufacturer.

After Finishing

- Carefully check the sulcus of the treated teeth and the surrounding areas; remove any cement residues still remaining.