

TotalBond™ Dual-Cure Adhesive Cement (Complete Starter Kit)

INSTRUCTIONS FOR USE

CAUTION: Federal Law restricts this device to sale by or on the order of a licensed professional.

WORKING TIMES @ 23°C (73.4°F) - up to 10 minutes

SETTING TIMES @ 37°C (98.6°F) -

Clear, Light & Medium shades: self-cure - 4 min., light-cure - 40 sec.

DESCRIPTION:

Totalbond is a dual-cure, adhesive cement system for bonding to any substrate encountered in dentistry, including dentin and enamel with no need for a separately applied dentin bonding agent. It will also bond to resins, amalgam, and porcelain as well as all precious, semi-precious or high noble alloys. The Totalbond Kit includes special primers for porcelain and noble metals that enhance bond strength and durability to these substrates. (Shaded powders are radiopaque. Clear powder is radiolucent.)

INDICATIONS:

For use as a permanent luting material for bonding inlays, onlays, crowns, bridges, laminate veneers, etc. to prepared teeth. Also indicated for repairs of fractured porcelain or tooth-colored resin veneers bonded to either non-precious or precious alloys.

MIXING CEMENT:

A standard mix is 1 small scoop of powder to 1 drop of liquid for a small restoration (e.g., an inlay) or 1 large scoop of powder to 3 drops of liquid for a larger restoration (e.g., a crown). Adjusting the powder to liquid ratio results in mixtures with different flow properties and setting times, but will not significantly affect bond strength. **To extend working time up to 10 minutes (5 minutes for clear powder), spread the mixture into a thin film on a pad and protect it from light. For proportioning powder, the scoop should be slightly overfilled, then leveled. Bottle should be held vertically when dispensing liquid.**

TOOTH CONDITIONING:

Following tooth preparation, apply green Dentin Activator as follows: enamel 30-60 seconds; dentin 5-10 seconds. **If both enamel and**

dentin are to be treated, first apply to enamel and after at least 30 seconds, apply to dentin and leave for 5 to 10 seconds. Then rinse both surfaces completely and dry.

SEATING/LUTING:

Apply mixed cement to tooth and inner surfaces of restoration. Use within 1 minute of mixing.

Insert the restoration and hold under pressure (or have patient bite) until the cement sets. **The intra-oral, self-cure setting time for a standard (1 scoop/1 drop) mix is 4 minutes.** To light-cure through a relatively translucent restoration irradiate for a minimum of 40 seconds. Remove excess cement after 1.5 minutes of self-curing or about 10 seconds of light-curing.

CONDITIONING PORCELAIN AND METAL SUBSTRATES:

Porcelain:

For best results, inner surfaces of porcelain restorations to be bonded should be air abraded before applying a thin layer of Etch-Free™ supplied in kit. To prepare Etch-Free, mix 1 drop each of bottle A and B in a dappen dish, and apply the mixture to the air-abraded porcelain surfaces. Allow to air dry (about 2 min) before cementing with mixed TotalBond in selected shade, and cure as described.

Metals:

Non-precious - surfaces of restorations to be bonded should be air abraded. No further surface conditioning is required. Apply the TotalBond mixture in the selected shade to the pre-conditioned alloy surface(s) and seat the restoration. Cure as described.

Semi-precious and precious - surfaces of restorations to be bonded should be air abraded. Apply a thin layer of V-Primer™ (no mixing required) and allow to air dry (about 60 seconds) before cementing with mixed TotalBond in selected shade, and cure.

CONTRAINDICATIONS:

TotalBond is contraindicated for use by and on persons who are allergic to any of its ingredients or who are methacrylate-sensitive.

PRECAUTIONS:

- Use of rubber dam is recommended.
- Avoid eye, skin or soft tissue contact with TotalBond or any of its components. Should any material contact the skin or soft tissues, immediately rinse with copious water. If eye contact should occur, immediately flush the eye with copious water. Consult a physician.
- Do not swallow any components.

CONTENTS OF KIT – Stock No. S410

5ml Green Activator
5ml ea. A&B Etch-Free Porcelain Primer
3ml V-Primer Noble Metal Primer
3.5g TotalBond Liquid
TotalBond Powders: 3.5g Light, Dual-Cure
 3.5g Medium, Dual-Cure
 3.5g Clear, Dual-Cure
Double-ended Powder Scoop,
Mixing Spatula, Mixing Pad, Applicators

WARRANTY:

Parkell will replace defective material. **This warranty is in lieu of all warranties of mer-**

chantability, fitness for purpose or other warranties, express or implied. Parkell does not accept liability for any loss or damage, direct, consequential or otherwise, arising out of the use of or the inability to use the product herein described.

Before using, the user shall determine the suitability of the product for its intended use and the user assumes all risk and liability whatsoever in connection herewith.

WARNINGS:



- LIQUIDS ARE FLAMMABLE (EXCEPT DENTIN ACTIVATOR). AVOID OPEN FLAMES.
- Do not cross-mix TotalBond components with those of any other materials
- To avoid contamination and evaporation, replace caps immediately after use.

STORAGE:

Store TotalBond in a refrigerator (shelf life =1 1/2 years). Prolonged exposure to high temperatures and/or direct sunlight will shorten shelf life.

**Manufactured in Japan exclusively for
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