

CLEARFIL™ SA LUTING



CLEARFIL™ SA LUTING is a resin cement that does not require any primer treatment, to be used for cementing a variety of prosthetic restorations.

Adherends that can be cemented with CLEARFIL™ SA LUTING

| | | | |
|-------------------------------|--|-----------------------------|--|
| Tooth structure | Enamel Dentin | Metal | Precious metals Non-precious metals |
| Crown and bridge resin | Resin materials containing inorganic filler | Metal oxide ceramics | Zirconia and alumina |

Putting in a metal crown

Trial fit the crown and clean the tooth surface in the usual manner.

Place and cement the crown using CLEARFIL™ SA LUTING.

Light cure any excess cement for 2 - 5 seconds.

Remove the semi-cured excess cement.

Final curing. Let it rest for 5 minutes before finishing.

Putting in a crown with a zirconia frame

Trial fit the crown and clean the tooth surface in the usual manner.

Place and cement the crown using CLEARFIL™ SA LUTING.

Light cure any excess cement for 2 - 5 seconds.

Remove the semi-cured excess cement.

Final curing. Let it rest for 5 minutes or light cure the entire surface and margins of the prosthetic restoration, if it is translucent, before finishing.

The above steps are described corresponding to the following Indications in the Cementation of crowns, bridges, inlays and onlays made of ceramic, composite resin or metal.

• Easy dispensing and mixing

CLEARFIL™ SA LUTING is a two-paste cement filled in a double-barreled syringe that makes it easy to dispense the 1:1 ratio components onto a mixing paper.

• No need to precondition with primer

CLEARFIL™ SA LUTING provides strong adhesion to tooth structure (both enamel and dentin), metals (precious and non precious metals), crown and bridge resins (resin materials containing inorganic filler), and metal oxide ceramics (zirconia and alumina) without requiring any pretreatment such a priming.

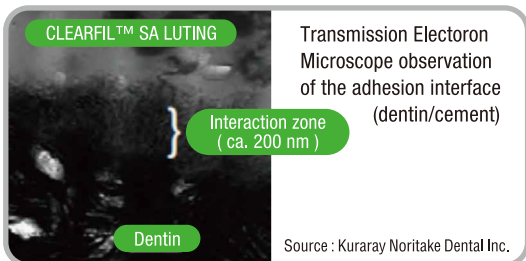
• Easy removal of excess cement

• Light curing method

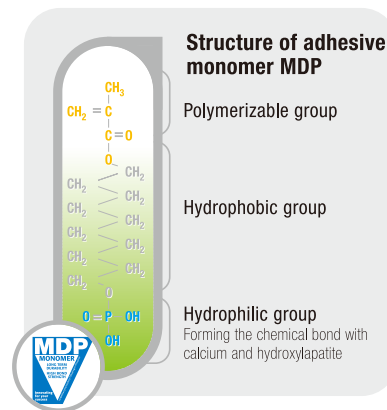
Light cure any excess cement for 2-5 seconds at several spots and the semi-cured excess cement can be removed easily.

• Chemical curing method

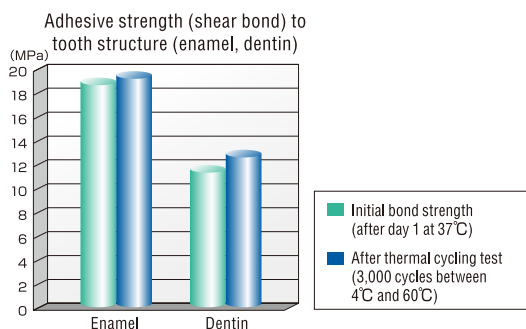
Leave any excess cement for 2 -4 minutes after placement of the prosthetic restoration and the semi-cured excess cement can be removed easily.



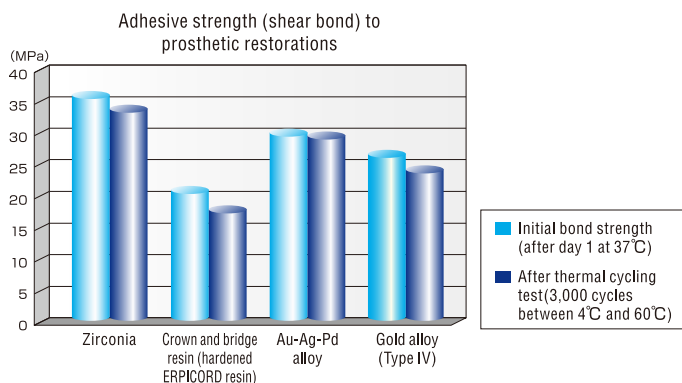
CLEARFIL™ SA LUTING contains the unique adhesive monomer MDP that penetrates effectively into dentin and creates a chemical bond to hydroxylapatite. The adhesion (dentin/cement) shows no voids and an interaction zone of approx. 200 nm thickness. The interaction zone appears as a layer created by polymerizable monomer penetrating into a partially demineralized area of dentin.



Adhesive strength



Measuring conditions : A Shimadzu Autograph AG-100 KN was used. Crosshead speed : 1mm/min Adherent surface (3 mm dia.) polished with wet SiC papers of up to 1000 grit. Margins were light cured from 2 different directions for 20 seconds each with a JET Light 3000.



Measuring conditions : A Shimadzu Autograph AG-100 KN was used. Crosshead speed : 1mm/min Adherent surface (5 mm dia.) polished with wet SiC papers of up to 1000 grit. Margins were light cured from 2 different directions for 20 seconds each with a JET Light 3000.

Other characteristics

Filler content: 65 wt%

Opacity to X-rays

Film thickness: 19 μm

CLEARFIL™ SA LUTING contains surface-treated sodium fluoride※1. ※1 Provides fluoride-release.

Outline of clinical procedures

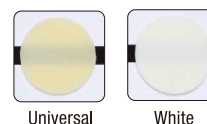
| | | |
|--|---|---|
| <p>1</p> <p>Dispense equal amount of pastes A and B on the mixing pad.</p> | <p>2</p> <p>•Mixing the pastes Mix pastes A and B for 10 seconds.</p> | <p>3</p> <p>•Placing the prosthetic restoration in position Apply the mixed paste over the entire adherent surface of the prosthetic restoration or the entire tooth surface within the cavity or on the abutment. Position the prosthetic restoration into the cavity or on the abutment correctly.</p> |
| <p>4</p> <p>•Use either method for semi-curing any excess cement</p> <p>Light curing Light cure each portion of any excess cement for 2-5 seconds.</p> <p>Chemical curing Rest any excess cement for 2-4 minutes after placement of the prosthetic restoration.</p> | <p>5</p> <p>•Removing the excess cement Remove the semi-cured excess cement using a dental explorer.</p> | <p>6</p> <p>•Final curing Prosthetic restorations that are not translucent Allow the cement to chemical cure by letting it rest for 5 minutes after placement of the prosthetic restoration. Prosthetic restorations that are translucent Light cure the entire surface and margins of the prosthetic restoration.</p> |

Product Code #2710-WD CLEARFIL™ SA LUTING VALUE KIT (Universal)
3 syringes (Paste A 4g:2.5ml, Paste B 4g:2.5ml),
Accessories (Mixing spatula, Mixing pad)

Refills #2711-WD CLEARFIL™ SA LUTING (Universal)

#2712-WD CLEARFIL™ SA LUTING (White)

Shades



- Read the Instruction for Use supplied with the product before use.
- The measurement data contained in this brochure are obtained by the results of tests performed by Kuraray Noritake Dental Inc.
- The colors of the product pastes and hardened products shown in this brochure may vary from the actual colors.
- The specifications and appearance of the product are subject to change without notice.

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