See Instructions for Use
KURARAY MEDICAL INC.
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CLEARFIL REPAIR Multi Purpose is indicated for the following uses:

Case A

Repairing fixed prosthetic restorations fabricated from porcelain, ceramic, hybrid ceramics or composite resin (e.g. inlays / onlays, crowns, bridges and the superstructure of implants).

Case B

Re-glazing fixed intra-oral restorations (e.g. cured direct / indirect composite resin, provisionals, acrylic appliances, glass ionomers)

Curing unit and Curing time

Table 1: Dental curing unit

Type	Light source	Wavelength range and light intensity
Conventional halogen	Halogen lamp	Light intensity of 300 - 550 mW/cm^2 in wavelength range from 400 - 515 nm
Fast halogen	Halogen lamp	Light intensity of more than 550 mW/cm^2 in wavelength range from 400 - 515 nm
Plasma arc	Xenon lamp	Light intensity of more than 2000 mW/cm^2 in wavelength range from 400 - 515 nm, and light intensity of more than 450 mW/cm^2 in wavelength range from 400 - 430 nm
LED	Blue LED	Light intensity of more than 300 mW/cm^2 in wavelength range from 400 - 515 nm

Table 2: Relationship between dental curing unit and curing time for CLEARFIL ST OPAQUER

Dental cuing unit	Thickness of CLEARFIL ST OPAQUER	
	less than 0.4 mm	0.4 - 0.5 mm
Conventional halogen	40 sec.	60 sec.
Fast halogen	10 sec.	20 sec.
Plasma arc	5 sec.	5 sec.
LED	40 sec.	80 sec.

Table 3: Relationship between dental curing unit and curing time for SURFACE COAT

Dental curing unit	Curing time
Conventional halogen	20 sec.
Fast halogen, Plasma arc	10 sec.

Case A CLEARFIL™ REPAIR Multi Purpose

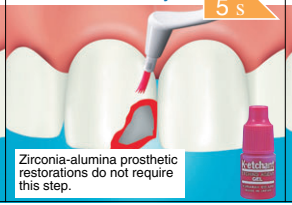
KURARAY MEDICAL INC.

Repairing fixed prosthetic restorations fabricated from porcelain, ceramic, hybrid ceramics or composite resin. (1/2)

A

1 Roughen the surface with a diamond point, rinse and dry.

2 Apply K-ETCHANT GEL on the surface, leave in place for 5 seconds., rinse and dry.



Zirconia-alumina prosthetic restorations do not require this step.

3 If the surface contains a metal, apply ALLOY PRIMER.

4 Apply CLEARFIL CERAMIC PRIMER to the surface.

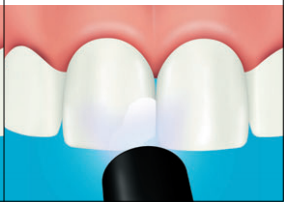
5 Dry the liquid sufficiently using low or medium pressure.

If the surface includes a tooth structure, treat with a bonding agent (e.g. CLEARFIL TRI-S BOND), light-cure.

6 If the surface contains a metal, apply CLEARFIL ST OPAQUER.

7 Light-cure

*Refer to table 2 for light-curing time



Case A

KURARAY MEDICAL INC.

Repairing fixed prosthetic restorations fabricated from porcelain, ceramic, hybrid ceramics or composite resin. (2/2)

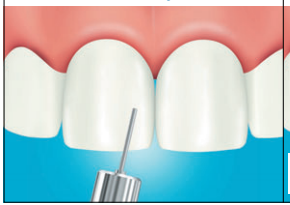
8 Place and light cure the selected composite resin (e.g. CLEARFIL MAJESTY Esthetic).

9a Contour, finish and polish the polymerized resin.

【Caution】
Check for any unpolymerized resin on the cured SURFACE COAT using an explorer.
If an unpolymerized resin layer is found, light cure again or remove with dry gauze.

When using SURFACE COAT without finishing and polishing, go to step 9b.

9b Contour and roughen the restoration surface using diamond point, rinse and dry.

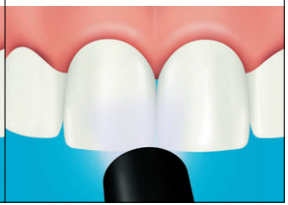


10b Apply a thin layer of SURFACE COAT to the restoration surface.

The flat type disposable brush tip is recommended.

11b Light-cure

*Refer to table 3 for light-curing time



Case B CLEARFIL™ REPAIR Multi Purpose

KURARAY MEDICAL INC.

Re-glazing fixed intra-oral restorations.

B

【Caution】
Check for any unpolymerized resin on the cured SURFACE COAT using an explorer.
If an unpolymerized resin layer is found, light cure again or remove with dry gauze.