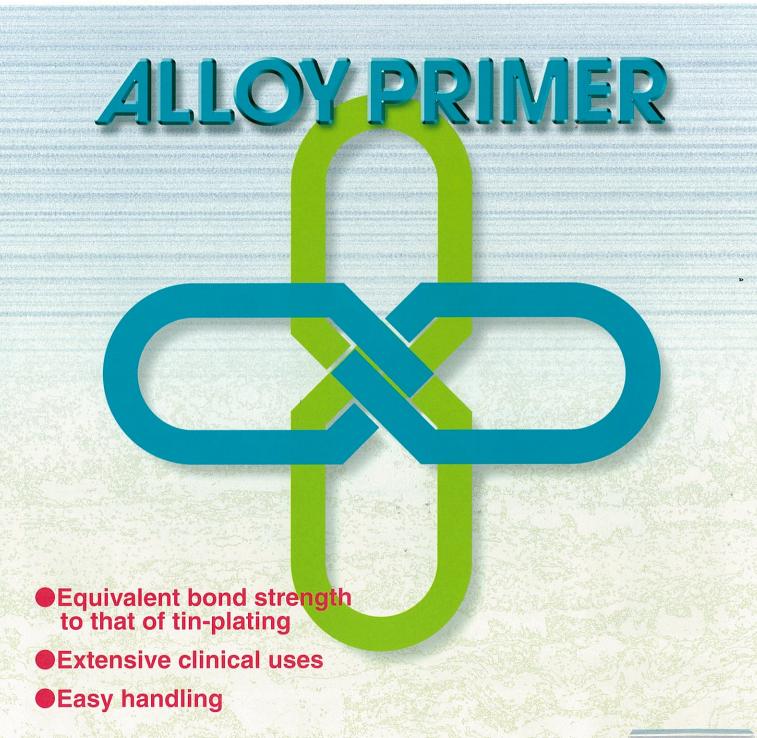
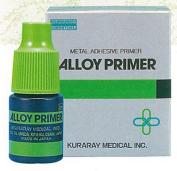
Use ALLOY PRIMER with all dental metals for:

- Eliminating complicated tin-plating
- Intra- and extra- oral applications



Metal Adhesive Primer

ALLOY PRIMER



ALLOY PRIMER is a metal conditioning agent used to enhance the bond strength between dental metals and resin-base materials. It contains VBATDT and MDP. Due to the VBATDT and MDP, ALLOY PRIMER enhances the bond strength to both precious and also non-precious metals. In addition, the fact that ALLOY PRIMER can be used intra- and extraorally produces its clinical versatility. Finally, ALLOY PRIMER is very easy to use. Simply apply it to the metal adherend surface, and the surface treatment is completed. Complicated tinplating is not required.

Adhesion Mechanism

Non-precious metal:
Phosphoric acid group of MDP
bonds chemically to the nonprecious metal atoms, while
the double bonds on the other
end of the molecule
copolymerize with the resin

monomers.

Precious metal: Sulfur atom of VBATDT bonds chemically to the precious metal atoms, while the double bonds on the other end of the molecule copolymerize with the resin monomers. The presence of MDP helps the reaction between VBATDT and precious metals, resulting in increased bond strength.

Operating Procedures / Clinical Usage

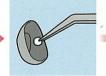
Metal inlays, onlays, crowns and bridges / Adhesion bridges and metal splints / Metal posts

Cementing a crown to precious metal core using PANAVIA 21





Sandblast the inner surface of the crown



Apply ALLOY PRIMER to the inner surface of the crown



Apply ALLOY PRIMER to the metal core



Apply PANAVIA 21 ED PRIMER to the metal abutment and tooth structure

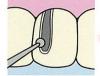


Cement using PANAVIA 21 paste

Repair of fractured resin-based facing crowns and porcelain-fused-to-metal bridges and crowns

Repairing with *CLEARFIL PORCELAIN BOND and CLEARFIL AP-X

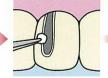




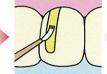
Preparation of fractured surface



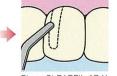
Apply ALLOY PRIMER to the metal adherend



Apply CLEARFIL PORCELAIN BOND to the porcelain (or resin) and metal adherend

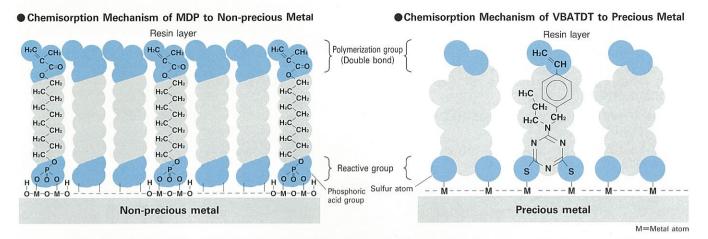


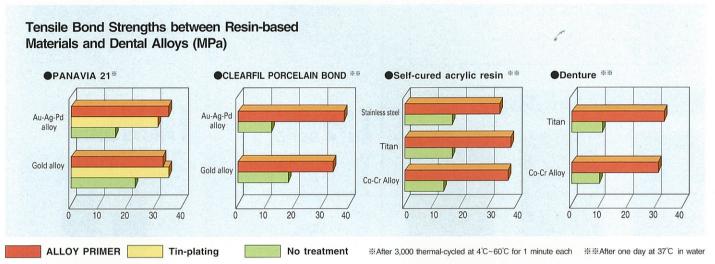
Apply PHOTO CLEARFIL OPAQUER or opaque resin to mask out metal color

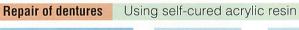


Place CLEARFIL AP-X composite resin paste and light cure for the specified time

*CLEARFIL PORCELAIN BOND consists of CLEARFIL NEW BOND and CLEARFIL PORCELAIN BOND ACTIVATOR. CLEARFIL PHOTO BOND can be used instead of CLEARFIL NEW BOND with CLEARFIL PORCELAIN BOND ACTIVATOR.











Sandblast the adherend surface



Apply ALLOY PRIMER to the adherend surface



Apply the self-cured acrylic resin to the metal adherend surface

Operating Procedures / Laboratory Usage

Construction of removable dentures with a metal base, clasp or attachment

Using denture base acrylic resins (heat-cured acrylic resin, self-cured acrylic resin)





Fabrication of wax



Sandblast the adherend surface



Apply ALLOY PRIMER to the adherend surface



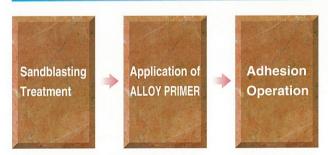
Fabricate the denture base acrylic resin and cure it

Features

- ALLOY PRIMER enhances the adhesion between resin-base materials and dental metals (Non-precious metals as well as precious metals).
- Surface treatment is accomplished with just one coat of ALLOY PRIMER.
- ALLOY PRIMER can be used intra- and extra- orally.

	Precious Metal	Non-precious Metal	Availability for intra- oral use
ALLOY PRIMER	0	0	0
Product A	0		0
Product B	0	0	

Basic Procedure Step



Indications

- Adhesion of metal inlays, onlays, crowns and bridges / Adhesion of metal cast posts
- 2. Repair of fractured resin-based facing crowns and porcelain-fused metal crowns and bridges
- 3. Construction of removable dentures with metal base, clasp or attachment
- 4. Repair of dentures

Related Products





Light-cured Composite Resin for Anterior and Posterior Restorations CLEARFIL AP-X













Silane Coupling Agent
CLEARFIL POCELAIN
BOND ACTIVATOR

NOTE:

Please read ALLOY PRIMER Instructions for Use thoroughly before using the product. CLEARFIL and PANAVIA are trademarks of KURARAY Co., Ltd.

WARRANTY:

All data herein are based on actual measurements performed by KURARAY MEDICAL INC. All information contained herein is presented in good faith and without warranty. KURARAY MEDICAL INC. will replace any product that is proved to be defective. Neither KURARAY MEDICAL INC. nor the distributor accepts liability for any loss or damage, direct, consequential or special, arising out of the application or use of or the inability to use these products. Before using, the user shall determine the suitability of the products for the intended use and the user assumes all risk and liability whatsoever in connection therewith.

Manufactured by

KURARAY MEDICAL INC.

Ote Center Bldg. 1-1-3 Otemachi, Chiyoda-ku, Tokyo, 100-0004,Japan