Porcelain Fused to Metal Repair

Step 1

GINGA-Guard™

Step 2  Application of GINGA-Guard™

Step 3  Micro-Etching

Step 4  Cosmedent Clear Hydrofluoric Acid on both porcelain and metal. Etch for 5-6 minutes. Rinse away with copious amounts of water

Step 5  Etched repair area.

Step 6  INSURE® Silanator on porcelain only for 30 seconds

Step 7  POWERBOND™ primers 2A and 2B mixed. Apply 2 to 3 coats on metal only. Air Dry.

Step 8  POWERBOND™ bonding agent 3A on both metal and porcelain.

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Step 9  Light cure bonding agent: (20 seconds)

Step 10  Application of Creative Color Pink Opaque

Step 11  After applying Creative Color Pink Opaque, light cure for 40 seconds. (If additional opaquing is required, apply another coat.)

Step 12  Application of RENAMEL® Universal Microhybrid

Step 13  RENAMEL® Universal Microhybrid after light curing for 60 seconds.*

*NOTE: If slight greyness persists, apply additional opaquer in the same shade as RENAMEL® Universal Microhybrid.

Step 14  Application of Light Grey tint to create translucence

Step 15  Tint cured after 40 seconds

Step 16  Application of RENAMEL® Microfill same shade as Hybrid
Step 17  Microfill cured after 60 seconds

Step 18  Contouring using bur of choice

Step 19  Characterization: Medium FlexiPoint

Step 20  Super Fine FlexiPoint

Step 21  Medium FlexiDisc Plastic Center or FlexiDisc Mini Center

Step 22  Fine FlexiDisc Plastic Center or FlexiDisc Mini Center

Step 23  Superfine FlexiDisc Plastic Center or FlexiDisc Mini Center

Step 24  Enamelize™ and FlexiBuff™

Step 25  Finished case
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Materials List for Porcelain Fused to Metal Repair

1. GINGA-Guard®
2. Cosmedent’s clear hydrofluoric acid
3. Insure® Silanator
4. PowerBond® bonding system
5. Creative Color® Pink Opaque
6. Renamel® Universal Microhybrid
7. Creative Color® Opaquer (if needed)
8. Creative Color® Tints if you need to tint
9. Renamel® Microfill
10. Medium FlexiPoint® / FlexiCups® / Wheels®
11. Super Fine FlexiPoint® / FlexiCups® / Wheels®
12. FlexiDisc® System either Plastic Center or FlexiDisc® Mini Center
13. Enamelize® polishing paste with FlexiBuffs®
14. #1 Brush®

Instruments for material placement:

1. 8A (Short Bladed) Titanium Coated Cosmedent Placement instrument®
2. 8AL (Long Bladed) Titanium Coated Cosmedent Placement instrument®
3. BBA (Broad Blade Applicator) Titanium Coated Cosmedent Placement instrument®

Instruments for interproximal and sub-gingival contouring:

1. IPCT (Short Bladed Extra-thin) Titanium Coated Cosmedent instruments®
2. IPCL (Long Bladed Extra-thin) Titanium Coated Cosmedent instruments®

Instruments for placing incisal grooves into body material prior to addition of incisal material:

1. Multiuse Titanium Coated Cosmedent instrument®

Application of Opaquers:

1. #1 or #3 Cosmedent Brush®

Application of Tints:

1. #1 Cosmedent Brush®