

CLINICAL PROCEDURE GUIDE

–How to use BISTITE II DC–

Clinical situations and the corresponding materials to be bonded

- Cementation of nonprecious metal crowns, inlays, onlays and bridges including acid etch bridges
- Bonded amalgam restorations



Case 1

Nonprecious Metals

- Cementation of precious metal crowns, inlays, onlays and bridges including acid etch bridges
- Cementation of porcelain fused to precious metals
- Cementation of precious metal post and cores



Case 2

Precious Metals

- Cementation of all ceramic and porcelain crowns, inlays, onlays, bridges and veneers



Case 3

Ceramics and Porcelains

- Cementation of cured composite crowns, inlays, onlays and bridges



Case 4

Cured Composites

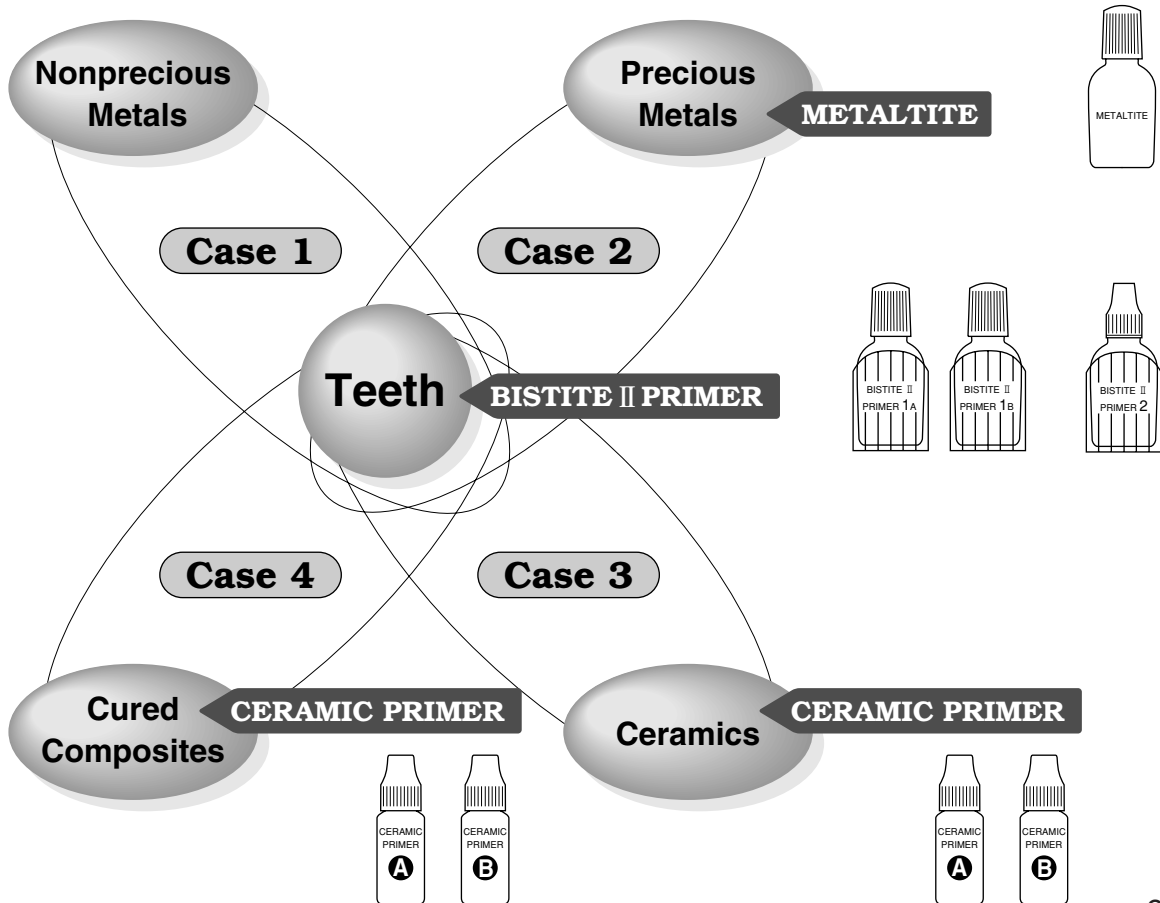
- Repair of fractured porcelain fused to metals



Porcelain Repair

Porcelains

Following illustration shows Cases, Materials to be bonded and compatible Primers.
(For detailed information, see Instruction for use.)



Case 1-(1)

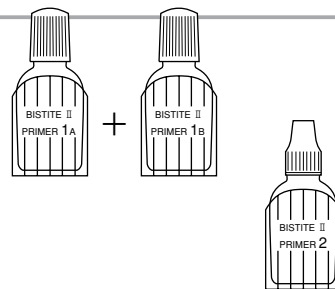
- Cementation of nonprecious metal crowns, inlays, onlays and bridges including acid etch bridges

Restoration Pretreatment

- 1 Sandblast
- 2 Ultrasonically clean

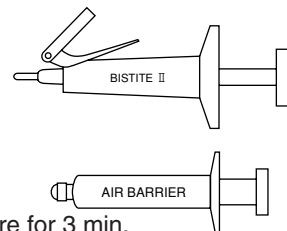
Tooth Preparation

- 1 Mix **Primer1A and 1B**
- 2 Apply the mixed Primer1 (30seconds)
- 3 Air dry (2-3 seconds)
- 4 Apply **Primer2** (20seconds)
- 5 Gently air dry (3-5 seconds)



Cementation and Final Bonding

- 1 Mix **Paste A and B**
- 2 Place the restoration with the mixed Paste
- 3 Wipe excess cement
- 4 Light irradiate for 20 sec. along marginal lines.
Maintain the prosthesis/restoration with a pressure for 3 min.
In case light irradiation is difficult to perform, apply AIR BARRIER (3 minutes).
- 5 In the case where the AIR BARRIER is applied, remove the AIR BARRIER and rinse with water.

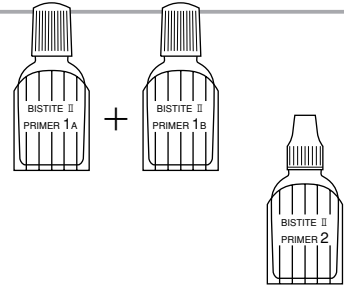


Case 1-(2)

■ Bonded amalgam restorations

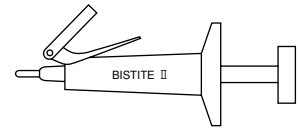
Tooth Preparation

- 1 Mix **Primer1A and 1B**
- 2 Apply the mixed Primer1 (30seconds)
- 3 Air dry (2-3 seconds)
- 4 Apply **Primer2** (20seconds)
- 5 Gently air dry (3-5 seconds)



Cementation and Final Bonding

- 1 Mix **Paste A and B**
- 2 Apply the mixed Paste
- 3 Condense amalgam
- 4 Carve the amalgam and remove the excess cement
- 5 Light irradiate for 20 sec. along marginal lines.
Maintain the prosthesis/restoration with a pressure for 3 min.
In case light irradiation is difficult to perform, apply AIR BARRIER (3 minutes).
- 6 In the case where the AIR BARRIER is applied, remove the AIR BARRIER and rinse with water.



Case 2

- Cementation of precious metal crowns, inlays, onlays and bridges including acid etch bridges
- Cementation of porcelain fused to precious metals
- Cementation of precious metal post and cores

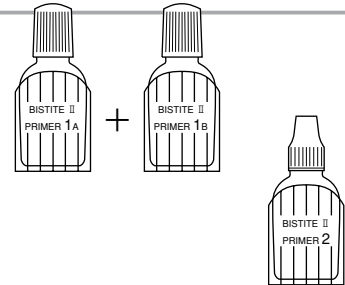
Restoration Pretreatment

- 1 Sandblast
- 2 Ultrasonically clean
- 3 Apply **METALTITE**



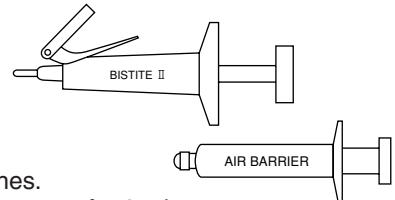
Tooth Preparation

- 1 Mix **Primer1A and 1B**
- 2 Apply the mixed Primer1 (30seconds)
- 3 Air dry (2-3 seconds)
- 4 Apply **Primer2** (20seconds)
- 5 Gently air dry (3-5 seconds)



Cementation and Final Bonding

- 1 Mix **Paste A and B**
- 2 Place the restoration with the mixed Paste
- 3 Wipe excess cement
- 4 Light irradiate for 20 sec. along marginal lines.
Maintain the prosthesis/restoration with a pressure for 3 min.
In case light irradiation is difficult to perform, apply **AIR BARRIER** (3 minutes).
- 5 In the case where the **AIR BARRIER** is applied, remove the **AIR BARRIER** and rinse with water.



Case 3

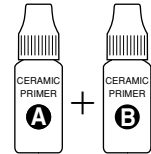
- Cementation of all ceramic crowns, inlays, bridges and veneers

Case 4

- Cementation of cured composite crowns, inlays, onlays and bridges

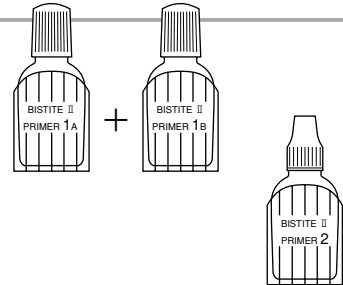
Restoration Pretreatment

- 1 Sandblast
- 2 Ultrasonically clean
- 3 Mix **CERAMIC PRIMER A and B**
- 4 Apply the mixed CERAMIC PRIMER (10seconds)



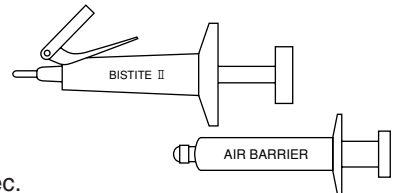
Tooth Preparation

- 1 Mix **Primer1A and 1B**
- 2 Apply the mixed Primer1 (30seconds)
- 3 Air dry (2-3 seconds)
- 4 Apply **Primer2** (20seconds)
- 5 Gently air dry (3-5 seconds)



Cementation and Final Bonding

- 1 Mix **Paste A and B**
- 2 Place the restoration with the mixed Paste
- 3 Wipe excess cement
- 4 Light irradiate onto the entire bonded area including marginal lines for more than 30 sec.
In case light irradiation is difficult to perform, apply AIR BARRIER (3 minutes).
- 5 In the case where the AIR BARRIER is applied, remove the AIR BARRIER and rinse with water.



REMARKS

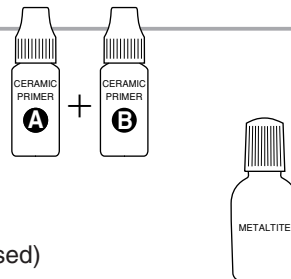
When using BISITEII DC cementing ceramic restorations, be sure to confirm whether or not the restorations are made of Alumina and/or Zirconia. **DO NOT APPLY TOKUSO CERAMIC PRIMER** for Alumina and/or Zirconia restorations. It will adversely affect optimum cementation of these restorations. For Alumina and/or zirconia restorations, simply roughen restoration surfaces by using a sandblaster or diamond bur before cementing.

Porcelain Repair

■ Repair of fractured porcelain fused to metals

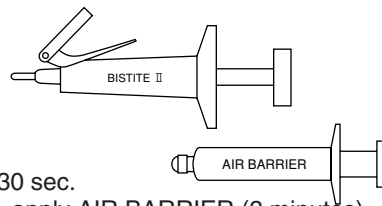
Pretreatment

- 1 Sandblast or grind with a diamond bur
- 2 Ultrasonically clean (Indirect Method*)
- 3 Mix **CERAMIC PRIMER A and B**
- 4 Apply the mixed CERAMIC PRIMER (10seconds)
- 5 Apply **METALTITE** (where metal surface is exposed)



Cementation and Final Bonding

- 1 Mix **Paste A and B**
- 2 Place the restoration with the mixed Paste
- 3 Wipe excess cement
- 4 Light irradiate onto the entire bonded area including marginal lines for more than 30 sec.
In case light irradiation is difficult to perform, apply **AIR BARRIER** (3 minutes).
- 5 In the case where the **AIR BARRIER** is applied, remove the **AIR BARRIER** and rinse with water.



*This procedure is when the porcelain is not cemented on the abutment tooth.

If the porcelain is on the tooth, clean the prepared surface with non-oily flour of pumice, rinse with water, dry then apply PRIMER.

Specifications are subject to change without notice and without obligation on the part of the manufacturer.

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