

COSMEDENT[®]

Complete[™]

Universal Adhesive System

Instructions for Use

COSMEDENT[®] *Spreading Smiles*

Smiling Patients, Smiling Dentists.

Helping you succeed with quality products and dedicated support

COSMEDENT[®]

401 N. Michigan Ave. Suite 2500, Chicago, IL 60611

COSMEDENT COMPLETE INSTRUCTIONS FOR USE

Direct Composite

Only Primer/Unfilled Resin (red cap) is used

1. Etch tooth structure for 20 seconds with 37% phosphoric acid (Etching Gel) followed by thorough rinsing and drying. Enamel should remain dry, keep dentin moist.
2. Place 2 drops of COMPLETE Primer/Unfilled Resin (red cap) in a mixing well. Thoroughly coat prepared tooth with 2 successive coats. Gently air thin. Apply an additional coat, air thin and light cure for 20 seconds. Make sure all surfaces have a shiny appearance; if not, apply an additional coat, air dry, and light cure 20 seconds.
3. Layer direct composite, for example RENAMEL Microfill.

Cementation of Porcelain Veneer or Indirect Composites

Only Primer/Unfilled Resin (red cap) is used

1. Etch tooth structure 20 seconds with 37% phosphoric acid (Etching Gel) followed by thorough rinsing and drying. Enamel should remain dry, keep dentin moist. Etch porcelain for 4 minutes with hydrofluoric acid (PorcelEtch) and silanate (SILANATOR). If you are working with indirect composite, microetch if applicable.
2. Place 2 drops of COMPLETE Primer/Unfilled Resin (red cap) in a mixing well. Thoroughly coat prepared tooth with 2 successive coats and dry with a gentle stream of air. Do not light cure. Make sure all surfaces have a shiny appearance; if not, apply an additional coat and air dry.
3. Apply 1 generous coat of COMPLETE Primer/Unfilled Resin (red cap) to the veneer or composite restoration and air dry, do not light cure.
4. Cement restorations using a light-cure resin luting cement such as INSURE. Light cure each surface for 60 seconds as applicable.

Indirect Resin or Porcelain Restorations

Requiring Dual-Cure Cement

Primer/Unfilled Resin (red cap) and Dual-Cure Catalyst (black cap) are used

1. Microetch resin restorations with aluminum oxide or etch porcelain for 4 minutes with hydrofluoric acid (PorcelEtch) and silanate porcelain (SILANATOR).
2. Etch tooth structure for 20 seconds with 37% phosphoric acid (Etching Gel) followed by thorough rinsing and drying. Enamel should remain dry, keep dentin moist.

3. In a mixing well, mix 2 drops of COMPLETE Primer/Unfilled Resin (red cap) and 1 drop of Dual-Cure Catalyst (black cap). Apply mixed COMPLETE to the tooth surfaces without pooling followed by air drying. Apply a second coat followed by thorough air drying. Do not light cure. Make sure all surfaces have a shiny appearance; if not, apply an additional coat and air dry.
4. Apply 1 layer of mixed COMPLETE to the underside of the restoration and air dry, do not light cure.
5. Proceed to cementation using a dual-cure resin luting agent such as Automix INSURE Lite Clear/SIMULCURE.
6. Light cure each surface for 60 seconds as applicable.

Bonding to Composite for Intra-Oral Repairs **Only Unfilled Resin (blue cap) is used**

1. Prepare composite to be repaired with a medium or coarse diamond followed by thorough rinsing and drying.
2. Place 1 or 2 drops of COMPLETE Unfilled Resin (blue cap) in a mixing well. Thoroughly coat surfaces to be bonded and gently air thin, do not light cure.
3. Complete repair with microfill or hybrid composite such as RENAMEL Microfill or RENAMEL Universal Microhybrid, light cure 60 seconds.

Bonding to Metal for Intra-Oral Repairs **Only Primer/Unfilled Resin (red cap) is used.**

1. Microetch the metal to be bonded with aluminum oxide followed by thorough rinsing and drying.
2. Place 1 or 2 drops of COMPLETE Primer/Unfilled Resin (red cap) in a mixing well. Thoroughly coat the metal surface and gently air thin. Make sure all surfaces have a shiny appearance; if not, apply an additional coat and air dry. Light cure for 20 seconds.
3. Complete repair with microfill or hybrid composite such as RENAMEL Microfill or RENAMEL Universal Microhybrid.

Bonding to Composite for Intra-Oral Repairs

Only Unfilled Resin (blue cap) is used

1. Prepare composite to be repaired with a medium or coarse diamond followed by thorough rinsing and drying.
2. Place 1 or 2 drops of COMPLETE Unfilled Resin (blue cap) in a mixing well. Thoroughly coat surfaces to be bonded and gently air thin, do not light cure.
3. Complete repair with microfill or hybrid composite such as RENAMEL Microfill or RENAMEL Universal Microhybrid, light cure 60 seconds.

Bonding to Metal for Intra-Oral Repairs

Only Primer/Unfilled Resin (red cap) is used.

1. Microetch the metal to be bonded with aluminum oxide followed by thorough rinsing and drying.
2. Place 1 or 2 drops of COMPLETE Primer/Unfilled Resin (red cap) in a mixing well. Thoroughly coat the metal surface and gently air thin. Make sure all surfaces have a shiny appearance; if not, apply an additional coat and air dry. Light cure for 20 seconds.
3. Complete repair with microfill or hybrid composite such as RENAMEL Microfill or RENAMEL Universal Microhybrid.

Cementation of Metal Restorations

Primer/Unfilled Resin (red cap) and Dual-Cure Catalyst (black cap) are used

1. Microetch the internal surface of the restoration with aluminum oxide and rinse thoroughly.
2. Etch tooth structure for 20 seconds with 37% phosphoric acid (Etching Gel) followed by thorough rinsing and drying. Enamel should remain dry, keep dentin moist.
3. In a mixing well, mix 2 drops of COMPLETE Primer/Unfilled Resin (red cap) and 1 drop of Dual-Cure Catalyst (black cap). Apply 2 consecutive coats of mixed COMPLETE to the tooth surfaces followed by air drying. Make sure all surfaces have a shiny appearance; if not, apply an additional coat and air dry. Do not light cure.
4. Apply 1 coat of mixed COMPLETE to the underside of the restoration. Air thin but do not light cure.
5. Cement the restoration using a dual-cure resin luting agent such as Automix INSURE Lite Clear/SIMULCURE.

Cementation of Resin Retained Bridge

Only Primer/Unfilled Resin (red cap) is used

1. Microetch bridge wings with aluminum oxide. Rinse thoroughly with water and dry.
2. Etch tooth structure for 20 seconds with 37% phosphoric acid (Etching Gel) followed by thorough rinsing and drying. Enamel should remain dry, keep dentin moist.
3. Place 1 or 2 drops of COMPLETE Primer/Unfilled Resin (red cap) in a mixing well. Apply to etched tooth structure and air dry. Apply an additional coat and dry thoroughly. Bonded surfaces should appear shiny. Do not light cure.
4. Apply 1 coat of COMPLETE to the bridge wings. Air thin but do not light cure. Apply a resin luting agent such as INSURE to the bridge wings and seat restoration. Light cure labial and lingual for 60 seconds on each surface.

Porcelain Repair

Only Primer/Unfilled Resin (red cap) is used

1. Prepare and etch all surfaces as needed. Microetch metal; etch porcelain with hydrofluoric acid (PorcelEtch) for 4 minutes and silanate (SILANATOR); etch tooth structure, when present, for 20 seconds with 37% phosphoric acid (Etching Gel).
2. Place 1 or 2 drops of COMPLETE Primer/Unfilled Resin (red cap) in a mixing well. Apply to prepared surfaces and air dry. Apply an additional coat and dry thoroughly. Bonded surfaces should appear shiny. Light cure for 20 seconds.
3. Layer microhybrid or microfill composite such as RENAMEL and light cure.

Desensitization

Only Primer/Unfilled Resin (red cap) is used

1. Etch tooth structure for 20 seconds with 37% phosphoric acid (Etching Gel) followed by thorough rinsing and drying. Enamel should remain dry, keep dentin moist.
2. In a mixing well, mix 2 drops of COMPLETE Primer/Unfilled Resin (red cap) and 1 drop of COMPLETE Dual-Cure Catalyst (black cap). Apply mixed COMPLETE to the cavity preparation, avoid pooling. Air dry. Apply a second coat and air dry, do not air thin but avoid pooling especially in internal line angles. Do not light cure.
3. Immediately begin condensation of amalgam. Finish restoration in the usual fashion.

Dual-Cure Core Buildups

Primer/Unfilled Resin (red cap), and Dual-Cure Catalyst (black cap) are used

1. Etch tooth structure for 20 seconds with 37% phosphoric acid (Etching Gel) followed by thorough rinsing and drying. Enamel should remain dry, keep dentin moist.
2. In a mixing well, mix 2 drops of COMPLETE Primer/Unfilled Resin (red cap) and 1 drop of Dual-Cure Catalyst (black cap). Apply 2 consecutive coats of mixed COMPLETE to the tooth surfaces followed by air drying. Make sure all surfaces have a shiny appearance; if not, apply an additional coat and air dry. Do not light cure.
3. Proceed with placing the dual-cure core buildup such as COSMECORE. Thoroughly light cure.

Self-Cure Core Buildups and Composites, or Self-Cure Resin Cements

Primer/Unfilled Resin (red cap), and Dual-Cure Catalyst (black cap) are used

1. Etch tooth structure for 20 seconds with 37% phosphoric acid (Etching Gel) followed by thorough rinsing and drying. Enamel should remain dry, keep dentin moist.
2. In a mixing well, mix 2 drops of COMPLETE Primer/Unfilled Resin (red cap) and 1 drop of Dual-Cure Catalyst (black cap). Apply 2 consecutive coats of mixed COMPLETE to the tooth surfaces followed by air drying. Make sure all surfaces have a shiny appearance; if not, apply an additional coat and air dry. Do not light cure.
3. Proceed with placing the self-cure core buildup or composite, or self-cure resin cement.

Bonding a Fractured Tooth Segment

Only Primer/Unfilled Resin (red cap) is used

1. Etch the tooth and tooth fragment for 20 seconds with 37% phosphoric acid (Etching Gel) followed by thorough rinsing and drying. Enamel should remain dry, keep dentin moist.
2. Place 2 drops of COMPLETE Primer/Unfilled Resin (red cap) in a mixing well. Coat etched surfaces and dry with a gentle stream of air, do not pool. Apply a second coat, air dry. Make sure all surfaces have a shiny appearance; if not, apply an additional coat and air dry.
3. Place a selected shade of light-cure resin luting cement such as INSURE on the primed surfaces and seat fragment. Light cure thoroughly. Finish as needed and bond light-cure composite such as RENAMEL Microfill to the cement line if applicable.

Further information is available by calling technical assistance at **800-621-6729**.

What is Cosmedent COMPLETE?

Cosmedent's COMPLETE™ is an advanced adhesive system which allows the dentist to use one and only one adhesive system for all bonding techniques.

COMPLETE is easy to use in all situations. It has three separate bottles and all are necessary in order to make COMPLETE what it is designed to be – a total bonding system.

System Description

PRIMER/UNFILLED RESIN (red cap) Is a combination of primer and resin. It is a one step priming and bonding agent for all light cure situations:

- Direct resin bonding of all Class I through Class V restorations
- Diastema closures
- Direct composite veneers
- Cementation of porcelain laminate veneers and indirect composite veneers
- Porcelain repairs, resin repairs, and porcelain fused to metal repairs
- Anywhere that light activation of direct restorations is desired.

DUAL-CURE CATALYST (black cap) By adding the Dual-Cure Catalyst to the Primer/Unfilled Resin (red cap) and mixing thoroughly before application you now have a dual bonding primer and adhesive system used primarily for indirect procedures such as, cementation of extra opaque inlays, onlays, and porcelain veneers; any place where the operator needs continuous during to achieve optimum bond strength.

UNFILLED RESIN (blue cap) Unfilled resin is used for composite repairs. Please see repair section, Bonding to Composite. Blue cap is used on composite not on tooth structure.

Following the directions accurately will give the user:

- Rapid ease of use
- Minimal film thickness
- Maximum bond strength
- Virtually zero sensitivity

But please read the directions for best results. Additional help is always available by calling technical assistance at (toll free U.S.) **800-621-6729**.

CAUTION:

AFTER USE wipe off all excess material and immediately close cap tightly to avoid evaporation of material.

AVOID EXCESSIVE HEAT. Store at room temperature 40° - 75° F (4° - 24° C).
Material may be refrigerated.

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This product was developed for use in the dental sector and should be used in accordance with the instructions for use. The manufacturer does not accept liability for damage caused by the use for any other purpose. The user is also obliged to accept responsibility for checking before use that the material is suitable and can be used for the intended purpose, particularly if this is not listed in the instructions for use.

Caution: U.S. Federal law restricts this device to sale by or on the order of a dentist.

Composition: Acetone solutions of dimethacrylate monomers. Primer and unfilled resin contains HEMA.

Indications: COMPLETE is indicated for use as an adhesive primer for bonding Class I-V composite restorations; as an adhesive primer for resin dental cements; as an adhesive primer for indirect dental restorations including composite, porcelain, base metal, and noble metal restorations.

Warning: If phosphoric acid or hydrofluoric acid etchants come in contact with the eyes, flush with copious amount of water and seek medical attention immediately. If etchants contact the skin wash the area with plenty of soap and water.

Storage: Store at room temperature for best results, 40-75 °F (4-24 °C).

Manufactured for: Cosmedent, Inc.
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