

QualiSense DC ADHESIVE S2

Self-etching dual cure adhesive

Recommendation for Use

DC ADHESIVE S2 is a simple to use self-etching dual cure adhesive for a durable and strong bonding of composites, compomers and resin modified glass ionomer cements to enamel and dentin.

DC ADHESIVE S2 works optimally under slightly wet conditions.

DC ADHESIVE S2 consists of the components Part A and Part B that were mixed before application. It is bonding to dual cure, self-cure and light cure composite restorative materials.

Indications

Adhesive for:

- Core build-ups and cementing of posts with dual and self-cure composites (e.g. DC CORE, NANOCORE ZR)
- Cementing of posts with dual and self-cure composite cements (e.g. DC CEM)
- Cementing of inlays, onlays, crowns and bridges with dual and self-cure composite cements (e.g. DC CEM)
- Composite based restorations with dual cure, self-cure and light cure composites

Side effects

In singular cases, DC ADHESIVE S2 may cause a sensitizing reaction in patients with a hypersensitivity to any of the ingredients. In these cases, the material should not be used.

Irritations resulting from direct contact with the pulp cannot be ruled out. Therefore for pulp protection the cavity floor in cases of deep excavations should be covered with a thin layer of calcium hydroxide material.

Incompatibility with Other Materials

Do not use in combination with substances containing eugenol because eugenol inhibits the polymerization of DC ADHESIVE S2. Neither store the material in proximity of eugenol containing products, nor let the material allow coming into contact with materials containing eugenol.

Application

1. Isolation

Rubber dam is the recommended method of isolation.

2. Cavity Preparation

Prepare the cavity according to the principles of the adhesive restoration technique.

3. Pulp Protection

Cavity floor of deep excavations should be covered with a thin layer of calcium hydroxide material (e.g. CH LINER).

4. Application of DC ADHESIVE S2

One drop of DC ADHESIVE S2 Part A and one drop of DC ADHESIVE S2 Part B were combined in a mixing pallet and mixed for 5-10 seconds.

Notes: Do not interchange lids of the bottles, because this can lead to a cross-contamination of the liquids.

4.1. Application for Core Build-ups, Cementing of Inlays, Onlays, Crowns and Bridges and for Composite based Restorations

Apply the homogeneous mixture generously with a brush onto the slightly wet enamel and dentin surfaces (as they are usual in clinical procedures) for 30 seconds with agitation. The material should build a homogeneous layer. Air thin for 10 seconds to remove the volatile components and to disperse the adhesive. Then light cure for 20 seconds with a dental halogen light unit or an LED (wavelength 400-500 nm, light intensity min. 1000 mW/cm²) and place the restorative material. For a maximal adhesion it is strongly recommended to use the light cure mode.

If light cure is absolutely impossible, the adhesive will also cure in the auto cure mode. After application of the adhesive air thin to remove all volatile components. There must remain a sticky layer. Then apply the dual cure, self-cure or light cure restorative material directly.

4.2. Application in the Root Canal (Cementing of Posts)

Prepare and clean the root canal with e.g. sodium hypochlorite solution, rinse and remove excess solution from the canal with a soft paper point.

Apply the homogeneous mixture of DC ADHESIVE S2 Part A and DC ADHESIVE S2 Part B generously with a brush onto the slightly wet root canal walls for 15 seconds with agitation.

Repeat procedure 1 - 2 times. All the dentin surfaces must kept wet with the primer over the specified time.

Remove excess DC ADHESIVE S2 with dry paper points. Dry the root canal cautiously with oil free air for 15 seconds to remove all volatile components and to disperse the adhesive to an even layer. Light cure all areas that are

available for a dental curing unit for 20 seconds.

5. Restorative Placement, Cure and Finishing

Refer to manufacturer instructions for placement of the dual cure, self-cure or light cure restorative material.

Warnings

- Unpolymerized material may have an irritating effect and may lead to a sensitizing reaction against methacrylates.
- Avoid contact with skin, mucous membrane and eyes.
- If the material comes into contact with skin, immediately wash with water and soap. If the material comes into contact with eyes, immediately rinse with copious amounts of water and seek medical advice if required.
- Commercial medical gloves do not protect against the sensitizing effect of methacrylates.

Storage

Do not store above 25 °C (77 °F)! Avoid storage in direct sunlight. Do not use after expiration date.

Warranty

DS Dental Supply GmbH warrants this product will be free from defects in material and manufacture. DS Dental Supply GmbH makes no other warranties including any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining the suitability of the product for user's application. If this product is defective within the warranty period, your exclusively remedy and DS Dental Supply GmbH's sole obligation shall be repair or replacement of the DS Dental Supply GmbH product.

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