

## QualiSense MODGLASS C Hand-Mix

### Light Cure Resin Modified Glassionomer Luting Cement

#### Instructions for Use

**MODGLASS C** is a light cured resin reinforced glassionomer luting cement. Beside its excellent fluoride release and the excellent biocompatibility as glassionomer cement **MODGLASS C** has also a good chemical bonding to dentine and enamel and to the restoration and a tight seal at the dental margins. Because of its radiopacity it ensures easy postoperative diagnosis. **MODGLASS C** meets the requirements of **DIN EN ISO 9917-2**.

Optional: To improve adhesion the light cure bonding agent **MODGLASS P** can be applied.

#### Indications

Cementing of crowns, bridges, inlays and onlays (all types: metal, resin, ceramic fused to metal and ceramic)

#### Contraindications / side-effects

- In singular cases, the material may cause a sensitizing reaction in patients with a hypersensitivity to any of the ingredients. In these cases, the material should not be used further on.
- Direct and indirect pulp capping

#### Interaction with other materials

Avoid direct contact with products containing eugenol since eugenol impairs the setting of the material.

#### 1. Tooth Preparation

Prepare tooth in usual manner.

For pulp protection areas close to the pulp should be covered with a thin layer of calciumhydroxide material (e.g. **CH LINER**) or MTA cement (e.g. **MTA U**). Refer to the corresponding instructions for use.

#### 2. Dispensing and Mixing

The **powder/liquid** ratio to achieve a suitable consistency is

**2.0 /1.0**. This can be obtained by mixing **one level (blue) scoop of powder and 3 drops of liquid**.

##### Note:

The spoon dosage is only an approximate reproduction of the nominal mixing ratio.

For accurate dispensing of **MODGLASS C** powder shake the bottle to loosen the powder. Overfill the spoon with the powder, level the powder by using the collar at the top of the bottle and carry it onto the mixing pad. Avoid compressing powder into the spoon.

If any bubbles are present in the **MODGLASS C** liquid, lightly tap the bottle with the fingers holding it. Discard drops that contain bubbles and are obviously not full-sized.

For dispensing of **MODGLASS C** liquid turn the bottle vertically with the tip about **5 cm** above the mixing pad. Steady your hand and squeeze the bottle gently to dispense one drop.

Use a small spatula to rapidly mix all the cement powder into the liquid. The mixed cement should be thixotropic and have a homogenous consistency. Total mixing time is **30 seconds**.

After use, tightly close both liquid and powder bottles to prevent exposure to moisture.

#### 3. Cementing

Avoid water and saliva contamination during application and setting of the cement. For a dry working area adequate isolation of the tooth is required.

Prepare the restoration according to manufacturer instructions.

Mix the required amount of **MODGLASS C** and apply into the lumens of the crown or bridge (approx. half) resp. to the bonding surface of inlays or onlays in a thin layer. Seat the restoration immediately (**working time 2:30 min from start of mixing at 23°C**). Net setting time without any light is approx. **4:00 min**.

Remove excess cement at the first setting stage.

Maintain isolation until the set of the cement is verified (ca. 4:00 minutes). Setting can be optimized with **20 seconds** light cure with a suitable dental light cure unit (wavelength range **400–500 nm**, light intensity min. **1000 mW/cm<sup>2</sup>**).

##### Note:

Higher temperatures will shorten the working time, lower temperatures will prolong the working time.

An overextended working time will cause the loss of adhesion to the enamel and the dentine.

#### 4. Notes/Warnings

- The material can also be used as liner under composite restorations.
- Unpolymerized material may have an irritant effect and can lead to sensitization against methacrylates.

- Avoid contact with skin, mucous membrane and eyes
- If the material comes into contact with skin, remove the material with absorbent cotton soaked in alcohol and rinse with water. 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.

#### 5. Storage

Store **MODGLASS C** in a cool and dark place at **4-25 °C (39-77 °F)**. Temperature should not exceed **25 °C (77 °F)**.

**Do not use after expiry 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 exclusive remedy and DS Dental Supply GmbH's sole obligation shall be repair or replacement of the DS Dental Supply GmbH product.

#### Limitation of Liability

Except where prohibited by law, DS Dental Supply GmbH will not be liable for any loss or damage arising from this product, whether direct, indirect, special, incidental or consequential, regardless of the theory asserted, including warranty, contract, negligence or strict liability.

**Keep away from children!**

**For dental use only!**