



**Temporary Self-cured C&B Material (in Cartridge)**

# **DSI UniLite Crown**



## **INSTRUCTIONS FOR USE**

**DSI UniLite Crown is non-transparent resin and self-curing inside and outside the oral cavity. Temporary crowns, bridges, inlays, onlays, veneers are used in a product.**



Made for DSI LTD  
59 haAvoda str.  
Ashdod, 7706300 ISRAEL  
+972-8931-7235  
[www.dsisrael.com](http://www.dsisrael.com)

## **PURPOSE**

**DSI UniLite Crown** Material is specifically formulated to produce highly esthetic and durable provisional restorations in the shortest time possible. It is non-transparent resin and self-curing inside and outside the oral cavity. Temporary crowns, bridges, inlays, onlays, veneers are used in a product. It consists of a total of 3 shades.

## **PLEASE OBSERVE THE FOLLOWING PROCEDURES WHEN USING**

1. Before placing the mixing tip, monitor the level of **DSI UniLite Crown** material in the adjoining orifices.
2. If the level is not the same in both orifices, bleed excess material from the cartridge until both sides flow evenly. The mixing tip can now be safely placed on the cartridge.
3. To stop flow of the material through the mixing tip orifice, do not try to retract the gun plunger. Instead, remove and then replace the mixing tip from the cartridge end. This action will relieve pressure inside the mixing tip and stop the excess material from exuding.

## **BEFORE THE APPLICATION**

- Check the expiration date and avoid package contamination.
- Follow the instructions for use before using.
- Using a rubber dam (**DSI Dam** or **DSI UniLite Liquid Dam**) to protect the oral cavity.

## **CREATING THE PROVISIONAL RESTORATION**

4. Prior to extracting or preparing the tooth, take a primary impression using an alginate or silicone impression material. Alternatively, you can fabricate a clear plastic vacuum-formed stent from the study model.
5. Prepare or extract the tooth.
6. The final impression can be taken at this time.
7. After the final impression, dry the prepared teeth and abutments. Lightly lubricate the abutments and surrounding tissues.
8. Air-dry the primary impression. Extrude a small amount of material out of the tip and dispense **UniLite Crown** material into the primary impression or the clear plastic stent by applying even pressure to the dispenser trigger. Begin placing **UniLite Crown** material at the bottom of the impression or stent and work upwards. Keep the mixing tip immersed in the material while you are dispensing to eliminate air bubbles. You have up to 40 seconds of dispensing time.
9. Seat the primary impression or the stent over the preparation site using steady, even pressure. **UniLite Crown** material can be manipulated in the mouth for up to 20 seconds. After that, **UniLite Crown** material will begin to enter its gel stage. Hold the impression/stent firmly in place.
10. "Tease" the provisional crown or bridge from the prepared teeth after a period of 60 seconds to be sure you are not locked into any undercuts. **UniLite Crown** material should be removed from the mouth with the impression after approximately 2:30-2:45 minutes from insertion. **UniLite Crown** material should also be monitored intraorally to assure that the provisional material is removed while it is in a hardened but elastic state. This will allow the provisional to be removed without any permanent distortion or breakage occurring. You may trim or cut excess **UniLite Crown** material with scissors or a knife at this stage. Alternatively, if you are using a clear impression material, you can light initiate **UniLite Crown** material by light-curing the center of the provisional for 20 seconds. Light initiating **UniLite Crown** material will reduce the oxygen inhibition smear layer.

11. Allow the provisional to complete the setting process outside the mouth for 2 minutes. The provisional may also be placed in a cup of hot water for at least 30 seconds. The material will be set after this time.
12. Remove the material from the primary impression or stent.
13. Clean off the oxygen inhibition smear layer on the surface of the provisional by wiping it with ethyl or isopropyl alcohol. Light initiating **UniLite Crown** material will reduce the oxygen inhibition smear layer.
14. If you choose to take your final impression at this time, make sure to clean the preparation site thoroughly with ethyl alcohol and pumice to remove the oxygen inhibition layer. Failure to do so will prevent the setting of your wash material.
15. If you choose to reline your primary silicone impression for use as a final impression, wipe the inner surfaces of the impression with ethyl alcohol to remove any smear layer before relieving the impression.
16. Trimming and finishing the provisional can be accomplished using burs and discs on thin margins. Adjust occlusion and embrasures in the mouth using finishing burs. Polish with conventional materials.
17. Use **DSI UniTemp Clear** or other non-eugenol temporary cement in placing the finished crown or bridge in the mouth.
18. When using a polycarbonate crown form, it is recommended that a thin layer of methyl methacrylate be brushed on the inner surface of the crown and air-dried for better adhesion.

#### **GUIDELINES FOR REPAIRS**

1. Roughen the break area with a bur and a few undercuts to adjacent sections.
2. Place a fresh mix of **UniLite Crown** material over the open or broken area and hold the pieces together for at least 60 seconds.
3. Allow the repaired provisional to cure for 3 minutes.
4. Remove or trim any excess material with a rotary instrument or bur.

#### **PRECAUTIONS**

1. Store this material in a cool, dry place at a temperature of less than 22°C. Refrigeration is highly recommended.
2. During warm weather months, refrigerate **UniLite Crown** material. Warm temperatures will rapidly accelerate the setting process of this material and will shorten the shelf life.
3. If doing bridges above 4 units, it is recommended that you extend the working time of **UniLite Crown** material by keeping the material refrigerated before use.

#### **CAUTIONS**

1. Dentists and dental specialists must handle it according to the instructions before using.
2. Do not use this material for non-dental purposes.
3. A rubber dam is recommended to reduce the side effects of using for patients having a history of severe allergic reaction to this material.
4. Do not use to patients who have a skin rash, dermatitis or histories of hypersensitivity.
5. Stop applying this material to the patients who have a rash or hypersensitive symptoms during use.

6. This material is used only for the oral tissue. Avoid contact with eyes.
7. If accidental contact occurs with eyes or skin, wash immediately with plenty of water and seek medical advice.
8. Do not use it after the expiration date.
9. Do not use together with maintaining the product contained eugenol.

## **STORAGE**

- It may be cured by light and then used directly to close the pouch.
- Store the material in a shady, cool and dry place (2-27 °C / 35-80 °F).

## **PACKAGING**

**DSI UniLite Crown 50ml (80g) x 1 Cartridge. Shade: A1 / A2 / A3**

Mixing Tips x 10 pcs

**Ref:**

**UL-CROWNC-A1**

**UL-CROWNC-A2**

**UL-CROWNC-A3**

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*Failure to comply with the conditions of storage leads to a change of the working characteristics of the material and decrease the shelf life of the material.  
The manufacturer is not responsible for any loss of quality caused by the failure to comply with terms of transportation, storage and use established by the manufacturer for this product. Responsibility for the use of the material for purposes other than those specified by the manufacturer falls on the user.*

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## **SYMBOLS**



Consult instructions for use



Caution, consult accompanying documents



Temperature limit



Keep away from sunlight



Keep dry



Manufacturer



Catalogue number



Batch code



Use by



Date of Manufacture