

# WONDER LUTE UNIVERSAL

## INTRODUCTION

*WONDER LUTE UNIVERSAL is a self-etch, self-adhesive, dual cure luting cement for all your permanent cementation needs to a variety of substrates ranging from composites, ceramics to metals.*

## INDICATIONS

- Cementation of crowns and bridges made of metal/porcelain-fused-to-metal (PFM).
- Cementation of all-ceramic, inlays, onlays, crowns and bridges (zirconium oxide, lithium disilicate and aluminium oxide).
- Cementation of endodontic posts (fibre-reinforced/metal).
- Cementation of all ceramic, resin and metal restorations to implant abutments.

## CLINICAL APPLICATION

### Cementation of Inlays, Onlays, Crown And Bridges

#### 1. Try In Restoration:

Perform a try in of the restoration to ensure proper fit/check.

#### 2. Prosthesis Preparation:

The prosthesis is to be prepared as per manufacturer's instructions.

#### 3. Tooth Preparation:

Thoroughly clean the tooth surface with pumice and water to remove biofilm. Use of rubber dam is recommended to isolate the prepared teeth. Slightly dry in 2-3 intervals with oil free air. **AVOID OVERDRYING.**

#### 4. Pulp Capping:

In case of a deep cavity, protect with an appropriate pulp capping agent. (Do not use a eugenol containing liner).

#### 5. Cementation:

- i. Uncap the double syringe cartridge. Gently press the plunger to disperse pastes from both the barrels onto a mixing pad ensuring that both the pastes are flowing evenly at the same level.
- ii. Clean the nozzle tip with gauze after dispensing and replace the cap securely.
- iii. Mix the dispensed paste using a plastic spatula for 20 secs. Apply a uniform coat on the luting side of prosthesis.



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- iv. Alternately use a mixing tip with 4:1 ratio.
- v. Seat the prosthesis and hold it under slight pressure.

## 6. Light Curing:

Light cure for about 10 secs and remove excess material with the help of scaler or explorer. Light cure all marginal areas of restoration for 20 seconds from each direction. The recommended working, setting and curing times are mentioned below:

Mixing Time	Working Time (at 23+1°C)	Self-cure Setting Time (at 37+1°C)
30 sec	1 min 30 secs (minimum)	4 mins (maximum)

It is strongly recommended to light cure the restoration.

## Cementation of Posts

### 1. Post Space Preparation:

Use of rubber dam is recommended to isolate the tooth. Prepare the post space & perform a try-in to ensure proper size and fit of the post. Rinse the post space with water and dry with paper points.

### 2. Preparation of Post:

Prepare the post as per manufacturer's instructions.

### 3. Material Application:

- i. Attach an Endo-Tip to a mixing cannula securely.
- ii. Insert the Endo-Tip as deep as possible into the root canal while applying Wonder Lute Universal and dispense the material starting apically.
- iii. Ensure keeping the endo-tip in the material to avoid bubbles.
- iv. Remove the endo-tip when the root canal has been filled completely.
- v. If necessary apply a thin layer of Wonder Lute Universal on the post.
- vi. Seat and rotate the post slightly upon insertion to avoid air entrapment. Secure the post in its position under moderate pressure.
- vii. Light cure the coronal part of the post for 20 seconds.

The core build up can now be carried out using suitable restorative material such as Wonder Bulk Filler etc.

## Veneer Restorations

It is ideal for cementation of 1-2 units at a time.



### 1. Tooth Preparation:

Thoroughly clean the tooth surface with pumice and water to remove biofilm. Use of rubber dam is recommended to isolate the prepared teeth. Slightly dry in 2-3 intervals with oil free air. AVOID OVERDRYING.

### 2. Adhesive Application:

Apply suitable LC adhesive such as Select Bond TE/Wonder Bond SE as per manufacturer's instructions for use.

### 3. Cementation:

- i. Uncap the double syringe cartridge. Gently press the plunger to disperse pastes from both the barrels onto a mixing pad ensuring that both the pastes are flowing evenly at the same level.
- ii. Clean the nozzle tip with gauze after dispensing and replace the cap securely.
- iii. Mix the dispensed paste using a plastic spatula and dispense the cement directly onto the internal surface of the veneer.
- iv. Place the veneer gently onto the tooth, allowing the cement to slowly flow from all margins.

### 4. Light Curing:

Light cure for about 10 secs and remove excess material with the help of scaler or explorer. Light cure all marginal areas of restoration for 20 seconds from each direction. It is strongly recommended to Light Cure the restoration. Refer to the recommended working, setting and curing times given for Cementation of Inlays, Onlays, Crown And Bridges.

## PRECAUTIONS

1. Do not expose patients or users known to be allergic to this type of material and/or methacrylate monomers.
2. Use medical (dental) gloves, face masks and protective glasses to avoid sensitization to this product. In case of prolonged contact with oral tissue or skin, immediately blot with alcohol moistened cotton ball, and rinse with plenty of water. Medical (dental) gloves provide some protection against direct contact with this material; however some monomers can penetrate through the gloves very quickly to reach the skin. In case of contact with eyes, immediately flush with plenty of water and seek medical advice.
3. If any eruption or skin inflammation occurs on a patient when using this product, immediately discontinue for now and future use and seek medical advice.
4. Avoid any contamination of restoration with blood, saliva or sulcus fluid during application.



5. Wear orange protective glasses when curing.
6. For more information read Safety Data Sheet (SDS).

## STORAGE

Keep away from direct sunlight and store between 10 - 25°C .

### Caution:

Do not expose these materials to elevated temperatures, intense light, or to high humidity.

Do not store it in proximity to eugenol containing products.

## ADDITIONAL NOTES

1. Always replace the syringe cap after use.
2. Use the material within 6 months of opening the aluminium pouch and end of expiry date.
3. Disinfect the syringe with alcohol after each use to avoid cross-contamination. Use caution to avoid including alcohol into the material. Do not wipe the dispensing tip with excessive alcohol as this may cause contamination of the paste.
4. Do not use any resin to adjust viscosity of resin luting cement.
5. WONDER LUTE UNIVERSAL should flow freely with gentle pressure. **DO NOT USE EXCESS FORCE.** Remove any hardened material plugging the opening of the nozzle before use.

## EXPIRY DATE

- The expiry date is shown in DD/MM/YY format on the pack.
- Do not use the product after this date.

## PRODUCT STRUCTURE:

Resin: Mixture of Dimethacrylates

Filler: Glass powder, Fumed silica, Phosphoric esters, Catalysts, Stabilizer pigments

Filler Loading: 50% w/w

## PACKAGING:

Syringe 5ml

## SHADE

Translucent

## SPECIALLY FORMULATED FOR USE IN DENTISTRY



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