



**MIRRORIMAGE™ FAST SET AUTOMIX 10:1**  
**DIRECTIONS FOR USE**  
Automix Temporary Crown & Bridge Material



# PRODUCT DIRECTIONS

- **MirrorImage Fast Set Automix 10:1®** is an automatically mixed two component material in cartridges based on multifunctional methacrylic esters. MirrorImage is a very easy to use material for creating short and long-term temporary crowns or bridges, inlays, onlays and veneers. Because of its flexibility, the material is especially suitable for longer bridge spans. **MirrorImage Fast Set Automix 10:1** shows fluorescence in UV-light.
- **MirrorImage** is free of methyl methacrylate. Its temperature derived while curing is lower than 104° F. As a temporary crown or bridge material it protects the repaired teeth against external influences and preserves the occlusion. It shows increasing transverse strength, good abrasion resistance and low polymerization shrinkage. It fits perfectly, and looks very natural – showing good polishability, good color stability and fluorescence.
- **MirrorImage** is easy to repair. Cured material can be repaired with any natural or light-cure composite after appropriate preparation. In nearly every property **MirrorImage** is superior to other materials based on monomer/polymer systems. It allows thin edges and production of longer bridge spans.



# APPLICATION

## Impression Taking

- Before preparation or tooth extraction – take an impression using alginates or addition curing silicones (long storage stability). Interdental areas are carved out, in molar areas with teeth absent it may be necessary to cut a groove in the impression between the teeth.
- **Note:** When using the silicone impression, block out undercuts and if necessary cut grooves into the impression.

## Preparing the Cartridge

- Take the protective cap off of the cartridge and throw it away (do not use it again.) Place the supplied mixing cannula on the cartridge by attaching it with a sideways turning movement, locking the cannula in place. The application gun is loaded with the prepared cartridge and is ready for application.
- **Note: Discard the initial extrusion from the mixing cannula (about the size of a pea).** Then the following mix will be perfect. *This must be done for each new mix.*
- Leave the used mixing cannula on the cartridge. It serves as a cap.



# APPLICATION

## Application

- **MirrorImage Automix 10:1** is automatically mixed when dispensed with slight and even pressure directly into the impression. To avoid air bubbles, make sure the end of the mixing tip remains immersed in the material during application. Filling should occur from the bottom upward to prevent voids.

## Forming the Temporary Crown or Bridge

- Load the impression with **MirrorImage**.
- Seat the impression onto the prepared areas of the teeth. ***Step a and b must be done within 35 seconds (working time).***
- After approx. 1 minute (setting time in mouth) the material shows a hardened but still elastic condition and can be removed from the mouth. (Alternatively: 2-3 minutes setting time on the model.)
- **Note: MirrorImage** must be removed from the mouth during the elastic state.



# APPLICATION

## Post Curing and Finishing

- After removal of the temporary crown or bridge from the impression (or from the tooth preparation) excess material and proximal undercuts are removed.
- Preferably, the temporary is then post cured in warm (113-131°F) water (e.g. hot cure polymerization device). If this is not possible or not desired, after **5minutes from beginning of application** the temporary acrylic can be polished to a high gloss with rotary instruments.
- If necessary, the surface of the temporary may be glazed with a light-cure varnish (e.g. GLOSS from Cosmedent, Inc.) **Do not breathe polishing dust; use a suitable respiratory protection device or aspiration.**
- **Note:** The oxygen inhibited smear layer on the surface caused by the acrylic system cannot be fully avoided and should be removed. It can be easily removed by alcohol or other suitable solvents.



# APPLICATION

## Cementing of the Temporary

- **MirrorImage** should be cemented with an eugenol-free temporary cement such as **Connect™** Translucent Temporary Resin Cement or **Adhere™** Non-Eugenol Temporary Cement from Cosmedent. Please refrain from using all eugenol-containing cements.

## Repairs

- **MirrorImage** temporaries show high mechanical strength. However, if a temporary breaks the following procedures are recommended:
  - **Fracture shortly after production** Both ends of the fracture are refixed with freshly extruded **MirrorImage**. Alternatively, you can apply **Adjust,™** a light-cure composite correction material from Cosmedent.
  - **Fracture of longer existing temporary** Roughen and clean the areas of the fractured temporary and apply a bonding agent (**Cosmedent Complete™**) unfilled resin, according to manufacturer's instructions. Once prepared, apply **MirrorImage** to all surfaces. To enhance curing, the finished temporary can be placed in warm water for a few minutes.



# APPLICATION

## Repairs (continued)

- Alternatively, you can repair the temporary with a flowable light-cure correction material (e.g. **Adjust** from Cosmedent). To ensure a complete cure, do not apply **Adjust** in layers exceeding 2 mm. Light-cure each layer for 40 seconds.

## Special Hints

- Non hardened **MirrorImage** can easily be removed with alcohol or other suitable solvents.

## Precautions

- **MirrorImage** is free of methyl methacrylate but contains other methacrylates.
- With susceptible patients, sensitization to **MirrorImage** can occur. **MirrorImage** should not be used any more if allergic reactions are observed. Do not use for patients with allergic reactions against acrylates.



# APPLICATION

## Basic Safety Instructions

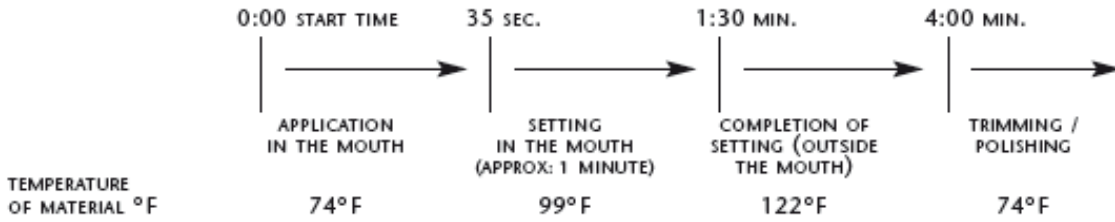
- Keep away from children.
- Avoid contact with eyes and skin. If the material comes into contact with the skin, immediately wash with soap and water. If the material comes into contact with eyes, immediately rinse with copious amounts of water and seek medical advice if required.
- Do not breathe sanding dust, use a suitable respiratory protection device or aspiration.
- **Caution: Federal law restricts the sale of this device by or on the order of a dentist.**

## Storage

- Store at 40° – 75°F (4° – 24°C).
- Do not use after expiration date.



## TIME TABLE: APPLICATION AND CURING MirrorImage Fast Set Automix 10:1®



AT ROOM TEMPERATURE, TRIMMING/POLISHING SHOULD NOT BE DONE PRIOR TO 5 MINUTES FROM THE START OF MIXING, TO ALLOW COMPLETE SET OF THE MATERIAL.

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