Luxatemp®– Automix Solar

CE 0482

INDICATION
Temporary crowns and bridges, temporary inlays and onlays, long term temporaries

PREPARATION
1. Prior to preparation or extraction of a tooth, take a quadrant impression using alginate, silicone or a thermoplastic impression material.
2. The interdental gingival areas should be trimmed out of this impression to provide bulk for later finishing of the Luxatemp-Automix Solar temporary restoration.
3. In molar areas with absent teeth, carving in the interproximal areas should create a ridge for pontic contact between the prepared teeth.
   When using a plastic template, pour model from the impression. Using a vacuum form machine or silicone compression technique, fabricate a plastic matrix.
4. Place cartridge into the application instrument.

TIMING

Insertion in the mouth	0:00 - 0:45	minutes
Removal from the mouth	2:30 - 3:00	minutes
Light curing	Hand-lamp:	20 seconds per section
	Light-Box:	at least 1:00 minute

APPLICATION
1. Dry prepared teeth and lightly lubricate prepared teeth and surrounding tissue and eventual resin based core build-ups with Vaseline or a similar separating medium.
2. Dispense Luxatemp-Automix Solar into your impression or matrix. Dispense Luxatemp-Automix Solar first onto the occlusal surfaces, and then bring it gingivally, overbuilding it slightly. To prevent bubbles, it is important to keep the tip of the mixing cannula immersed in the material.
3. Insert the impression or matrix, filled with Luxatemp-Automix Solar within 45 seconds with gentle pressure over the prepared teeth and hold firmly in place.
4. Ca. 2:00 to 3:00 minutes from start of mix the provisional crown or bridge can easily be removed together with the impression from the prepared teeth.
   The setting reaction has to be monitored intraorally (e.g. with a scaler), as the temperature in the mouth has a significant influence on the setting time and removal of the provisional is only possible during its rubbery phase.
5. Afterwards light curing is possible at any time. 20 seconds per section with the hand-lamp or at least 1 minute in the light box are recommended.

PREPARING THE TEMPORARY RESTORATION
After light curing the crown or bridge may be contoured and polished.
1. The soft, sticky inhibition layer caused by oxygen in the air on the surface of the Luxatemp-Automix Solar restoration must be removed (e.g. by wiping with ethyl alcohol).
2. The temporary can be shaped with slow-speed acrylic burs and disks. Use appropriate safety measures.
3. Use high-speed finishing diamond burs in the mouth to adjust occlusion and further correct embrasures.

CEMENTATION OF THE TEMPORARY
Cement provisional crown or bridge with any temporary cement. It is recommended to use automatically mixing temporary cements, e.g. TempoCem (zinc oxide/eugenol cement) or TempoCemNE (non-eugenol cement), which can be directly applied into the provisional.

! Cements containing eugenol may inhibit polymerization of resin based luting cements.

REPAIR OF TEMPORARIES
Should breakage occur, the following procedure is recommended:

Breaking of temporary shortly after making
Connect parts with freshly mixed Luxatemp-Automix Solar.

Breaking of an older temporary
1. Using a bur, roughen up the surface of the break point.
2. Apply some bonding agent or DMG´s Dry Coat and cure according to the manufacturer´s instructions.
3. Dispense a fresh mix of material onto all surfaces.
4. Hold parts together for 3:00 minutes.
5. After light curing remove excess with rotary instruments.

To speed up polymerization the repaired temporary may be put into water of 50 °C/122 °F) for a few minutes.

PLEASE NOTE
- Contact with skin and eyes should be avoided. If accidental contact occurs, rinse immediately with plenty of water and consult a physician if necessary.

PHYSICAL DATA

Compressive strength	220	MPa
Transverse strength	91,5	MPa*
Diametral tensile strength	36	MPa
Barcol hardness	35	
Water sorption	10	µg/mm³
Temperature rise during polymerization max.	≈ 38	°C (100 °F)

*Rzanny, A.; Welker D.; Göbel, R.: Phillip J., 13, 357-366 (1996)

COMPOSITION
Glass filler in a matrix of multifunctional methacrylates. Free of methyl methacrylate and peroxides.
Total filler volume: 24% (0.02-2.5 µm)

STORAGE
- Do not store above 25 °C/68 °F.
- Do not use after expiry date.
- Only use at room temperature (refrigerated material is more viscous and cures more slowly).

SIDE EFFECTS
There are no known systemic side effects to date, however,
- do not use Luxatemp-Automix Solar in cases where known allergies to the components exist;
- in some cases individual contact allergies may exist.

PACKAGING

1 cartridge @ 76 g paste, 15 mixing cannulas	REF 110360
5 cartridges @ 76 g paste, 75 mixing cannulas	REF 110361

Caution: Federal Law restricts this device to sale by, or on the order of a dentist, or other practitioner licensed by law of the state in which he or she practices to use or order the use of this device.

Keep away from children! For dental use only!