



MR. Dental Supplies Limited

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MR. DENTAL GLASS IONOMER CEMENT

INSTRUCTIONS

MR. Dental CERAMFIL MOLAR

Glass Ionomer Condensable Restorative for Small Posterior Cavities

Introduction

A two part powder-liquid material possessing a brisk 'snap set', this Glass Ionomer restorative product is recommended for the filling of small cavities used alone or in conjunction with composites for the permanent restoration of low stress posterior teeth. Having a consistent and well-defined end point to its working life, the final set produces a very hard, high, compressive strength filling.

Features and Benefits

- Initial 'snap set' then developing a high compressive strength
- Putty like consistency for easy fabrication
- Chemically bonds to both dentine and tooth enamel
- Reaches neutral PH quickly following placement in tooth
- Releases fluoride ions to restrict further decay
- Biocompatible with tooth structure
- A powder/liquid two part mix, the powder being readily incorporated into the liquid for easy use
- Particularly useful for filling small posterior cavities
- Complies with ISO 9917, 2007 (Restorative)

Contents

25g Powder
15ml Liquid
Powder Measure
Mixing Pad
Instruction Sheet

Mixing and Setting Time

Mixing Time	30 Seconds
Working Time	3 minutes
Initial Setting Time	6 minutes
Ambient temperature	23°C: Relative Humidity 50%

Higher temperatures and lower relative humidity's tend to accelerate the working and setting times.

Mixing Ratio

Powder/Liquid ratio: - 3.3 /1. Mix 1 gm. powder with 0.3 gm. liquid minimum recommended quantities are 4 scoops powder with 3 drops liquid, 0.4 gm. powder with 0.12 gm. liquid, or other quantities in the same ratio.

Issue No:

Date:

Signed By:

Approved By:



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Mixing Method

Before each use, fluff the powder up by shaking the bottle several times. Allow time to settle before opening cap. Scoop powder from powder bottle using measuring spoon, level off and place level scoop of powder onto mixing pad. Repeat for as many scoops of powder as required. Replace cap. Remove cap from liquid bottle, invert and gently squeeze to provide required number of drops of liquid onto mixing pad. Always replace cap straight away to prevent liquid evaporating and causing blockage of bottle nipple. Using a plastic or metal spatula, incorporate one of the portions of powder into the liquid. Mix in successive powder portions until the material reaches a homogeneous putty-paste consistency. The mixed material should have a glossy surface and is ready for immediate use. Fill the dry cavity with the mix condensing with a plugged overfilling the cavity. It is essential that this be completed during the working time of the mix. Do not interfere with the restorative until completion of the initial set. Carefully trim away excess and cover immediately with MR. Dental Varnish. A fine grit stone can be carefully used to relieve occlusal surface, which should be re-varnished.

Notes

When finishing, be careful not to dig, burr or gouge at the Glass Ionomer. Before filling line any exposed pulp with MR. Dental Calcium Hydroxide. The application of MR. Dental Glass Ionomer Conditioner Bond to any exposed dentine/enamel surfaces with cotton pledgets for 10 seconds, rinsing with water and drying assists with the molecular bonding of the restorative to the exposed tooth structure. A rubber dam or retraction cord should be used to prevent oral fluid/moisture contamination. It may be desirable to clean stained area to be restored using pumice or oil free MR. Dental Prophy Paste. It is essential that the mix be positioned in the tooth cavity during its working time.

Precautions

The mixing spatula should be rinsed with water and wiped dry after use to prevent any mixed material from adhering to it. Ceramfil Molar contains polyacrylic acid powder and liquid. Avoid contact with skin and eyes. Irrigate well, after accidental contact, with water and if necessary seek medical advice. Avoid inhalation of powder/dust, which may cause irritation of the airways. The powder bottle contains a desiccant capsule. Do not remove this nor break it open.

Handling and Storage

The powder is hygroscopic. Keep container closed. Do not remove desiccant capsule. Evaporation of liquid will leave residue blockage in nozzle. Replace cap and tighten after each use. Store both materials in a cool dry place. Clean up any liquid spillage with absorbent towel, rinse surfaces and dry. Sweep up powder spillage carefully wearing gloves. Consult suppliers HSDS for further details on product health and safety and material disposal instructions.

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