

Restore+

CONDENSABLE

Radiopaque Posterior Glass Ionomer Restorative Cement



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EN



1. Product Description & Main Ingredients

D Tech Restore+ Condensable is a high strength posterior glass-ionomer restorative cement used for restorative fillings.

Main Ingredients

Poly Carboxylic acid & Alumina-strontium-Silicate Glass.

2. Indications

- Restorations in deciduous teeth for cavities of class I and II.
- Non-load bearing class I and Class II Restorations in permanent teeth.
- Intermediate restorative and base material in class I and class II cavities using sandwich technique
- Core build-up.
- Class V and root surface restorations.

3. Contraindications

- Capping of exposed pulp.

4. Precautions (Please read carefully before use)

- In case of contact with oral tissue or skin, remove immediately with a sponge or cotton soaked in alcohol. Flush with water.
- In rare cases the product may cause sensitivity in some people. If any such reactions are experienced, discontinue the use of the product and refer to a physician.
- In the proximity of the pulp (closer than 1-1.5mm) use pulp protection like calcium hydroxide to avoid irritation.
- Close powder and liquid immediately after use in order to keep out humidity and to maintain the consistency
- Do not use D tech glass ionomer powder or liquid with other glass ionomers. The components are optimized to provide best results when used together.

5. Application Method

5.1 Cavity Preparation

- 5.1.1 Perform the cavity preparation. Creation of undercuts is not necessary because of the excellent adhesion of Restore+ condensable to dentin. However, undercuts can provide enhanced hold to the restoration. Layer thickness should not be less than 1 mm. Pulp protection is recommended with calcium hydroxide if dentine thickness is less than 1- 1.5 mm.
- 5.1.2 Apply D-Tech dentin conditioner using a cotton pellet or similar device. Rub the conditioner in for 20 seconds to remove the smear layer. Rinse with water and dry, but do not desiccate. Best results shall be obtained when the prepared surface is clear of smear layer and appears moist & glistening.

5.2 Dispensing and Mixing

- 5.2.1 The ideal powder: liquid ratio can be obtained by mixing one level scoop of powder with one drop of liquid. A condensable thick mix is required to minimize erosion loss but a glossy surface is also needed for strong chemical bond strength. Using the appropriate powder/liquid ratio is strongly recommended.

- 5.2.2 Fill a level spoon and place it onto the mixing pad provided. Avoid compressing powder into the spoon with the inside wall of the bottle.
- 5.2.3 Very slowly turn the liquid bottle vertically with the tip about 5cm above the mixing pad. Steady your hand and squeeze the bottle gently to dispense liquid drop. If any bubbles are present, lightly tap the bottle. Discard drops that are obviously not full-sized.
- 5.2.4 Using a plastic spatula, divide the powder into two equal parts. Mix the first half of the powder with the whole of the liquid for 15-20seconds. Add the second part and mix for another 15-20 seconds to obtain a homogeneous mixture.

5.3 Filling

- 5.3.1 Remove moisture from the cavity surface with a cotton pellet, or very gently with an air syringe blast. Do not desiccate.
- 5.3.2 Place the mixed cement into the cavity. Take care not to incorporate air bubbles.
- 5.3.3 Form the material with a placement or forming instrument & if required apply a matrix during the first 2 minutes of cement setting.
- 5.3.4 Remove the matrix & immediately apply a varnish to the surface of restoration

5.4 Finishing

- 5.4.1 Final finishing & polishing can be done under water spray about 6-7 minutes after placement of cement, progressing from steel burs at low speed to superfine diamond points. Apply a final coating of varnish & instruct the patient not to apply pressure for one hour. Note that best results of polishing are achieved if polishing is done after 24 hrs.
- 5.5 Allied recommended products:

D tech Dentine Conditioner: D-tech Dentine conditioner is a mild solution of polyacrylic acid. Removes the smear layer from dentin and improves the bonding of Glass Ionomer restorations and linings.

5.6 Technical Data

Mixing Time@ 23°C from start of mixing	45 Seconds
Working Time@ 23°C from start of mixing	2.00 min
Setting Time@ 23°C from start of mixing	3 min 30 sec

6. Packaging & Variants

Bottle of 12g Restore+ Condensable powder
Bottle of 7g Restore+ Condensable liquid.
Mixing pad
Spoon
Shade: A2, A3

7. Storage & Handling:

Store at temperature of 5-25°C (41-77.0°F).
(Shelf life: 2 years from date of manufacture)



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Limitation of Liability

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For use only by a dental professional



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Last Revised-19 Sep 2022 Rev. 4