

# Micron® Bioactive

Radiopaque Hydroxyapatite

Modified-Glass Ionomer Cement, Restorative

Micron Bioactive is a radiopaque, hydroxyapatite modified-GLASS IONOMER CEMENT for restoration of primary teeth, core build up, restoration of class I, limited class II cavities and as a base and liner material. Addition of hydroxyapatite considerably improve the mechanical properties and also improves the chemical bonding ensuring a tight seal at the dentinal margin. Micron Bioactive is radiopaque for easy post operative diagnosis.



## Indications

- Core build-up.
- Restoration of primary teeth.
- Cases where radiopacity is required.
- As a base or liner.
- Class I, limited Class II, temporary fillings, etc.
- Long term temporary replacement of cusps.
- Intermediate restoratives and base material for class I and II cavities using the sandwich technique.
- Class V restorations in non-aesthetic situations.
- Restorative in the field using the ART technique.
- Temporary endodontic fillings.

## Benefits

- Anticariogenic.
- Excellent chemical bonding to dentin and enamel.
- Tooth coloured.
- Superior strength and fully biocompatible.
- Accelerated remineralisation.
- Radiopaque for easy post operative diagnosis.

## Chemistry

**Powder** : Fluoro Aluminio Silicate Glass Powder, Hydroxyapatite Powder.

**Liquid** : Polyacrylic acid Solution.

## Technical Data

- 1) Mixing Ratio : 2 : 3
- 2) Setting Time : 1:30 – 2:00 (min : sec)
- 3) Compressive Strength : 150 MPa

## Techniques



Tooth preparation wash and dry but **DO NOT DESICCATE**.



Use two scoop of powder and three drop of liquid on a clean mixing pad. Incorporate the powder into the liquid component in 2 increments.



Freshly mixed cement.



Restoration of the prepared cavity.

## Presentation

Ref. : 30009-1  
1 x 15g Powder, 1 x 10ml Liquid,  
1 x Mixing Pad, 1 x Plastic Spoon.  
1 x Instruction Manual

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