

Compendium of **CEMENTS**

GLASIONOMER® AND HY-BOND® MATERIALS



GLASS IONOMER CEMENTS



HY-BOND CX
Luting

An enhanced glass ionomer luting cement that contains the unique Hy-Agent (Tannin-Fluoride additive) to provide an excellent marginal seal and overcome postoperative sensitivity.

INDICATIONS:

- For luting crowns, bridges, onlays & Orthodontic bands
- Ideal for long span bridges

BENEFITS:

- Higher compressive strength and bonding strength
- Low film thickness of 18µm
- High fluoride release
- Long working time Snap-set setting reaction of 3min after placement
- Easy mixing & excellent handling
- Radiopaque
- Highest resistance to water contamination at the initial stage

AVAILABILITY:

Complete set (45gm / 25ml)	[PN 1190]
Powder, 45gm	[PN 1191]
Liquid, 25ml	[PN 1192]
Glasionomer CX-Plus (15gm / 8ml)	[PN 1187]



HY-BOND RESIGLASS
Resin Reinforced Luting Cement

A new radiopaque, resin reinforced glass ionomer cement, which offers less post-operative sensitivity, minimum odour, superior handling with excellent physical properties.

INDICATIONS:

- A versatile cement designed for cementation of metal, porcelain and resin restorations including metal or ceramic orthodontic brackets

BENEFITS:

- Chemically bonds to enamel and dentin with high fluoride release
- Low film thickness of 12µm
- Minimum odour & virtually no post-operative sensitivity
- Improved fracture toughness and low solubility
- Provides an excellent marginal seal and prevents microleakage
- High translucency
- Excellent compressive and flexural strength with high durability
- Superior handling and easy removal of excess cement
- Long working time with a net setting time of 4min

AVAILABILITY:

Complete set (15gm / 10gm)	[PN 1103]
Powder, 5gm	[PN 1104]
Liquid, 10gm / 8.6ml	[PN 1105]



GlasIonomer Cement Version 2
Universal Restorative

A new enhanced universal restorative cement specially created for anterior restorations with excellent handling, optimized translucency and improved physical properties

INDICATIONS:

- Specially designed for Class III, Class V, Cervical erosion/ abrasion and Pedodontic restorations.

BENEFITS:

- Chemically bonds to enamel and dentin
- Compressive strength of 263Mpa and high tensile strength
- Easy to mix with excellent handling characteristics
- High fluoride release and recharge
- Optimal translucency for enhanced aesthetics
- Coefficient of thermal expansion similar to that of natural tooth
- Biocompatible
- Radiopaque and low solubility
- Shade : Yellow / Brown suitable for most cases

AVAILABILITY:

Complete Set (15gm / 8ml, 10gm)	[PN 3180]
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FX-II
General Purpose Restorative

An enhanced general-purpose glass ionomer cement for direct restorations, specially created for Minimal Intervention (MI) & A.R.T.

INDICATIONS:

- Minimal Intervention (M. I.) treatment
- Restoration of Deciduous teeth
- Geriatric restorative
- Permanent Restorative for Class III, V
- Cervical Erosion
- Root Abrasion
- Pits & Fissures
- Long term temporary restorative for Class I & II

BENEFITS:

- High compressive strength
- Aesthetically match with natural teeth
- Packable and easy to use
- Higher translucency
- Excellent biocompatibility
- Higher fluoride release & recharge
- Radiopaque & Low solubility
- Optimal polishability
- Shades: A2, A3, A3.5 & B2

AVAILABILITY :

- | | |
|-------------------------------|----------------|
| Complete Set
(15gm / 10ml) | [PN 3192~3195] |
| Complete Set
(6gm / 3.5ml) | [PN 3202~3205] |



HI-DENSE XP
Silver Reinforced Restorative

Hi-Dense XP contains spherical particles of silver-tin alloy in a specially formulated glass ionomer for better performance with exceptional handling and physical properties even under humid conditions.

INDICATIONS:

- Ideal permanent restorative for posterior deciduous teeth & non-stress bearing situations
- Core build-up and Structural base
- Repair of amalgam restorations

BENEFITS:

- Silver reinforced for higher compressive strength
- The silver powder is premixed for a more homogenous mix
- Exceptional fluoride release
- Packable and condensable like amalgam without mercury
- Excellent adhesion to tooth structure, pins and amalgam
- High resistance to erosion
- Radiopaque
- Ideal handling and Easy mixing
- Prevents cuspal flexure under large composite restorations
- Provides a strong base under amalgam

AVAILABILITY :

- | | |
|--|-----------|
| Hi-Dense XP Starter Pack
(10gm / 5ml) | [PN 3120] |
| Hi-Dense XP Eco Pack
(30gm / 10ml) | [PN 3123] |



CORE SHADE
Core Build-up

Developed to provide a dependable metal-free core build-up (when abutment is too short or lacks tooth structure to support the crown).

INDICATIONS:

- Especially for Core Build-up
- As a supportive and protective base under stress-bearing restorations

BENEFITS:

- High compressive strength
- Excellent bonding with tooth structure, metal pins or posts
- Good fluoride release
- Biocompatible
- Radiopaque
- Gray in color for easy identification during placement & finishing
- Superior handling
- Economical

AVAILABILITY :

- | | |
|-----------------------------------|-----------|
| Professional kit
(25gm / 10ml) | [PN 1115] |
| Gray color powder, 25gm | [PN 1116] |
| Liquid, 10ml | [PN 1117] |

HY-BOND CEMENTS



POLYCARBOXYLATE

Hy-Bond Polycarboxylate Cement was developed with Shofu's patented tannin-fluoride additive which helps seals the dentinal tubules.

INDICATIONS:

Luting agent for cast restorations and Orthodontic appliances.

BENEFITS:

- Chemically adheres to tooth structure and metal appliances
- High adhesive strength
- Radiopaque
- Extremely low film thickness
- Low solubility & disintegration
- Easy handling and manipulation
- Can be placed on freshly cut dentin with no pulpal irritation
- Less technique sensitive due to the tannin-fluoride additive

AVAILABILITY:

1-1 Set (60gm Powder/40gm Liquid)	[PN 1160]
Powder, 60gm	[PN 1161]
Liquid, 40gm	[PN 1162]
1-1 Set (125gm Powder/70gm Liquid)	
Powder, 125gm	
Liquid, 70gm	



ZINC PHOSPHATE

The only Zinc Phosphate cement that can be applied on freshly cut dentin without irritation. The tannin-fluoride additive in the Hy-Bond Zinc Phosphate cement is able to counter the harshness of phosphoric acid.

INDICATIONS:

Luting agent for cast restorations and Orthodontic appliances.

BENEFITS:

- Good film thickness
- High compressive strength
- Seals dentinal tubules and minimises post operative sensitivity
- Radiopaque
- Less technique sensitive with superior handling
- Can be placed on freshly cut dentin due to tannin-fluoride
- Minimal solubility

AVAILABILITY:

1-1 Set (60gm Powder / 40gm Liquid)	[PN 1170]
Powder, 60gm	[PN 1171]
Liquid, 40gm	[PN 1172]
Powder, 125gm	
Liquid, 70gm	



TEMPORARY CEMENT Soft

Hy-Bond Temporary Cement (Soft) was developed combining the base of polycarboxylate cement with Hy-Agent to form an Eugenol free temporary cement.

INDICATIONS:

For use with provisional crowns, fixed prosthesis & implant prosthesis. Indirect pulp capping, temporary sealing after cavity preparation.

As an intermediate restorative for deciduous and permanent teeth.

BENEFITS:

- Contains tannin-fluoride which seals dentinal tubules to minimise pulpal irritation
- Easy to remove
- Sufficient adhesive strength for short term cementation.
- Fast setting and easy clean-up
- Minimum odor and taste
- Easy to mix with superior handling characteristics

Recommended by
CRA

AVAILABILITY:

1-1 Set (125gm Powder/70gm Liquid)	[PN 1173]
Powder, 125gm	
Liquid, 70gm	
1-1 Set (60gm Powder / 35gm Liquid)	[PN 1176]



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