

# HY-BOND ZINC CEMENT

## PRECAUTIONS FOR DENTAL PERSONNEL AND PATIENTS

1. Do not use this product on patients with known allergies to this product or zinc phosphate cement.
2. Operators with known allergies to this product or zinc phosphate cement must not use this product.
3. This product is intended for use by dental professionals only.
4. If any inflammation or other allergic reactions occur on either the patient or operator, immediately discontinue use and seek medical advice.
5. The liquid and mixture of this product should not come in contact with intraoral soft tissue, skin or eyes. In case of accidental contact with intraoral soft tissue or skin, immediately blot with alcohol moistened cotton ball and rinse with plenty of water. In case of contact

## INDICATIONS

1. Cementation of crowns, bridges, inlays
2. Lining of cavities and lesions

## DIRECTIONS FOR USE

### 1. Dispensing Powder and Liquid

- ① For cementation (Standard Powder/Liquid Ratio: 1.7g / 1.0g)

Dispense one level scoop of Powder using the measuring scoop provided and four drops of Liquid, separately.

- ② For lining (Standard Powder/Liquid Ratio: 2.3g / 1.0g)

Dispense one level scoop of Powder using the measuring scoop provided and three drops of Liquid, separately.

### 2. Mixing

Dispense Powder and Liquid onto a thick glass slab. Divide dispensed powder into 2 equal portions; introduce the first half to the dispensed liquid and mix using a stainless steel spatula.

Then, add the remaining half and mix until it becomes homogeneous paste.

Mixing temperature :  $23\pm 1^{\circ}\text{C}$  ( $73.4\pm 1.8^{\circ}\text{F}$ )

Mixing time : 30 – 40 sec.

Working time and setting time for cementation and lining

	Cementation	Lining
Working time	3 mins	2.5 mins
Setting time	6 mins	4.5 mins

### 3. Cementation / Lining

Perform cementation or lining following the conventional method.

## NOTE ON USE

1. Always use the scoop provided. Level off the powder with built-in leveler for accurate dispensing.
2. Invert the liquid bottle prior to use to dispense drops of bubble-free liquid.
3. Remove any liquid plugging the opening of the nozzle with wet gauze etc for accurate measuring.
4. Tightly close the bottle caps (powder and liquid) immediately after each use. Use extra caution to keep the powder away from any
5. moisture.  
Viscosity of the mixture might vary depending on the measurement error and/or the room temperature. Adjust the mixture to obtain
6. ideal viscosity.  
Optimal temperature of glass slab is around  $20^{\circ}\text{C}/68^{\circ}\text{F}$ . Maintain this temperature to avoid accelerating hardening of this material due to high ambient temperature. If water is used to cool the plate, thoroughly remove any moisture before dispensing this product.
7. Do not add extra liquid while mixing to avoid degrading the performance of this product.
8. Remove excess material quickly with wet gauze etc before it gets hardened.
9. In the case where pulp is exposed or the affected area is close to the pulp, cap the pulp with pulp capping agent (calcium hydrate etc).
10. Do not use paper mixing pad.
11. Do not use this product for any purposes other than specifically outlined in the INDICATIONS in these instructions for use.
12. Use this product within the expiration date indicated on the package and container.

## STORAGE

Store at room temperature ( $1-30^{\circ}\text{C}/34-86^{\circ}\text{F}$ ). Avoid high humidity and keep away from direct sunlight.

## COMPOSITION

POWDER: Zinc phosphate, Magnesium oxide, HY-agent and others

LIQUID: Phosphoric acid, Aluminum hydroxide and distilled water

## PACKAGING

HY-BOND ZINC CEMENT:

POWDER: 125g (measuring scoop provided)

LIQUID: 100g

HY-BOND Zinc Phosphate Cement:

1-1 SET: POWDER 60g, LIQUID 25mL (40g), measuring scoop

POWDER: 60g (measuring scoop not provided)

LIQUID: 25mL (40g)