

**HARVARD CEMENT**  
**normal setting**  
Zinc phosphate cement

GB

**Instruction for use for the dentist****Composition:**

1 g powder contains:  
860 mg zinc oxide, 86 mg magnesium oxide;  
1 g liquid contains:  
560 mg o-phosphoric acid.

**Areas of Application:**

Fixation of crowns and multiple bridges  
- also on implants  
- also for zirconium dioxide, aluminium oxide and lithium disilicate ceramics,  
luting of inlays, cavity linings, temporary fillings in posterior teeth, reconstruction of the core,  
orthodontic works.

**Dispensing Instructions:**

Fixation consistency:

1.5 g powder : 1.0 g liquid

Cavity lining consistency:

2.1 g powder : 1.0 g liquid

Dispensing and testing climate for testing in accordance with DIN EN ISO 9917: Mix quantities  
indicated at  $23 \pm 1^\circ\text{C}$  and a relative humidity of  $50 \pm 10\%$ .

**Processing Recommendations:**

A clean, dry glass plate at ca.  $20^\circ\text{C}$  ( $68^\circ\text{F}$ ) and a non-discolouring spatula are recommended for  
mixing.

**Mixing:**

In order to achieve a homogenous consistency, divide the measured quantity of powder into 4  
portions (1/2 1/4 1/8 1/8). Beginning with the smallest quantity, stroke the powder into the measured  
liquid within 90 seconds. The filling consistency has been reached when on lifting the spatula, the  
peak drawn out forms a small hook and does not sink back into the paste. The fixation consistency  
has been reached when the peak formed on lifting the spatula slowly falls back into the paste. Discard  
remaining powder or impure liquid. Mixing Time: 90 seconds

**Processing Time from start of mixing (at  $23^\circ\text{C}$ ,  $72^\circ\text{F}$ ):**

For fixation: 3 minutes

For cavity lining: 2 minutes

**Setting Time from end of mixing:**

5 00 – 8 00 minutes

**Special Information:**

- The mixed cement should never be applied directly onto dentine near to pulp or onto exposed pulp.
- Irritations of the pulp may occur following the cementing and in the case of the mixture being used for  
cavity lining.
- The cement must be applied to the dry tooth surface and must set without contact to moisture.
- Close containers immediately after removing material.
- The liquid contains phosphoric acid and is corrosive. In the event of accidental eye contact, rinse  
immediately with large quantities of water.

**Shades:**

1 (white), 2 (bluish white), 3 (yellowish white), 4 (light yellow),  
5 (yellow), 8 (pearl grey), 12 (brown), 15 (pink)


**Package Sizes:**

Powder: 100 g and 35 g

Liquid: 40 ml and 15 ml

**HARVARD CEMENT normal setting**

- Do not use after the expiration date.
- Storage temperature:  $2\text{--}28^\circ\text{C}$  ( $36\text{--}82^\circ\text{F}$ ).
- Compliant with DIN EN ISO 9917.

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