HARVARD®

# Harvard Cement.

## The Original. Since 1892.


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# Harvard Cement normal setting

Zinc phosphate cement for permanent luting
of crowns and bridges and for lining.

## Properties

- High compressive strength
- Low film thickness
- Good biocompatibility
- Easy and safe application
- Unmatched price performance ratio
- No curing shrinkage


The classic! Clinically proven since 1892

# Harvard Cement quick setting

Zinc phosphate cement with reduced setting
time for permanent luting of crowns and bridges.

## Properties

- Fast setting
- High compressive strength
- Low film thickness
- Good biocompatibility
- Easy and safe application
- Unmatched price performance ratio
- No curing shrinkage

Short setting time!


# Harvard Cement OptiCaps®

Zinc phosphate cement in capsules for permanent luting
of crowns and bridges.

## Properties

- Consistent application with
  only 10 seconds mixing time
- Direct and precise application of creamy,
  Homogeneous cement on the restoration
- Avoids mistakes in mixing and dosing
- Sufficient for luting of 1 - 2 crowns
  from each capsule


Optimal consistency & easy Handling

# Harvard Polycarboxylat Cement

Polycarboxylatzement zur definitiven Befestigung und Unterfüllung.

## Properties

- Non irritant for sensitive teeth
- Less irritant to the pulp than
- Easy and safe application
- Unmatched price performance ratio


## Indications of Harvard Cement

- For permanent luting of crowns and bridges, inlays and onlays on natural core and for luting supraconstructions on implants.
  For crowns, bridges, inlays and onlays made of:
  - zirconia
  - aluminium oxide
  - lithiumdisilicate
  - silicate
  - for conventional gold and non-precious metals

**Harvard Cement normal setting additional qualified:**

- For temporary fillings in posterior teeth
- As liner for all types of filling materials

## Indications of Harvard Polycarboxylat Cement

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  - zirconia
  - aluminium oxide
  - lithiumdisilicate
  - for conventional gold and non precious metals
- For temporary fillings in posterior teeth
- As liner for all types of filling materials

# Mixing Advice

## For Harvard Cement

1

Dispense onto a clean, dry glass plate powder and liquid at approx. 23 °C (73 °F).

2

Divide into 4 portions as follows: 1/2, 1/4, 1/8, 1/8.

3

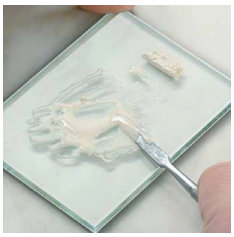
Mixing: start first 1/8 with the whole liquid quartely within 15 seconds.

4

Add second 1/8 and mix for 15 seconds while spreading.

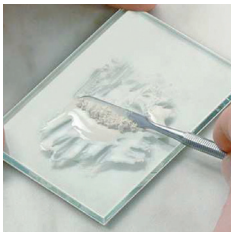
5

Draw 1/4 into the mixture.



6

Mix while pressing with flat spatula in the next 30 seconds.



7

Mix with the remaining half portion for 30 seconds to obtain an homogen mass.

8

Use the entire surface of glass plate.

9

Ready-for-use cement mix within 90 seconds.

**Harvard Cement normal setting:**
**For luting consistency: powder 1.5 g, liquid 1.0 g**
**For cavity lining consistency: powder 2.1 g, liquid 1.0 g**

**Harvard Cement quick setting:**
**For luting consistency: powder 1.8 g, liquid 1.0 g**

## For Harvard Polycarboxylat Cement

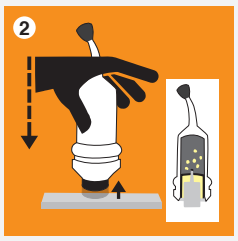
For mixing of polycarboxylate cement the whole amount of powder is divided into two equal halves. One half is further divided into two equal parts (quarter).

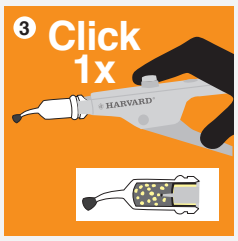
In 30 seconds mix one half of the powder into the liquid.
Then the other two quarters are mixed in for another 15 seconds each.
This will result in a total mixing time of 60 seconds.

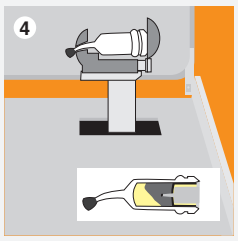
The mixing ratio (by weight) of powder to liquid is 2.9 : 1 (luting cement) or 3.6 : 1 (liner).

# Click before you mix. Instructions for activating and mixing Harvard OptiCaps®



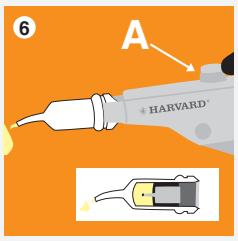










1. OptiCaps® before activation.
2. Activation: press the plunger on a hard and plane surface to the end into the OptiCaps®.
3. Insert the OptiCaps® into the Harvard Applier OptiCaps® and click once to standardize.
4. To mix capsule.
5. Insert the OptiCaps® into the Harvard Applier OptiCaps®. Remove the pin from the nozzle. If not, capsule can burst.
6. Extrude the mixed material on a glass plate or apply directly. Unlock the gun and remove the capsule.

## Working times for Harvard Cement OptiCaps®

| Mixing time | Working time | Next clinical step |
|---|---|---|
| 10 sec | 90 sec (1:30 min) | n/a |
| | from the start of mixing at 23 °C (73 °F) | |

## Article information

### Harvard Cement normal setting

| Powder<br>Shade | Order no.<br>**35 g** Single powder | Order no.<br>**100 g** Clinic powder |
|---|---|---|
| 1 - White | 7002501 | 7002201 |
| 2 - Bluish white | | 7002202 |
| 3 - Yellowish white | 7002503 | 7002203 |
| 4 - Light yellow | 7002504 | 7002204 |
| 5 - Yellow | | 7002205 |
| 8 - Pearl grey | | 7002208 |
| 12 - Brown | | 7002212 |
| 15 - Rose | | 7002215 |
| **Liquid** | **15 ml** Single powder<br>7002600 | **40 ml** Clinic liquid<br>7002300 |

### Harvard Cement quick setting

| Powder<br>Shade | Order no.<br>**35 g** Single powder | Order no.<br>**100 g** Clinic powder |
|---|---|---|
| 1 - White | 7001501 | 7001201 |
| 2 - Bluish white | | 7001202 |
| 3 - Yellowish white | 7001503 | 7001203 |
| 4 - Light yellow | | 7001204 |
| 5 - Yellow | | 7001205 |
| 8 - Pearl grey | | |
| 12 - Brown | | |
| 15 - Rose | | |
| **Liquid** | **15 ml** Single powder<br>7001600 | **40 ml** Clinic liquid<br>7001300 |

### Harvard Cement OptiCaps®

| | Order no. |
|---|---|
| 10 OptiCaps® à 0.5 g, Yellowish white | 7081310 |
| 50 OptiCaps® à 0.5 g, Yellowish white | 7081350 |
| **Harvard Applier OptiCaps®** | 7092000 |

### Harvard Polycarboxylat Cement

| Powder<br>Shade | Order no.<br>**35 g** Single powder | Order no.<br>**100 g** Clinic powder |
|---|---|---|
| 3 - Yellowish white | 7031503 | 7031203 |
| 4 - Light yellow | 7031504 | 7031204 |
| **Liquid** | **15 ml** Single powder<br>7031600 | **40 ml** Clinic liquid<br>7031300 |



HARVARD®
Marke und Qualität seit 1892

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