

## Cuglacrete Hoogoven poetsmortel R1




### CUGLACRETE Hoogoven poetsmortel R1 is:

- a cementitious mortar for cosmetic, non-structural repairs according to NEN-EN 1504-3
- complies with the requirements of the Building Materials Decree
- factory made polymer modified mortar based on Blast-furnace cement
- high sulphate resistant
- ideal for using indoor and outdoor
- developed with the latest nanotechnology

### CUGLACRETE Hoogoven poetsmortel R1 can be used for repair methods according to NEN-EN 1504-3 table 1:

- 3.1 Concrete restoration by applying mortar by hand

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0956-CPR-0707	
NEN-EN 1504-3	
DoP: EM0405-02-10-2023	
Concrete repair mortar based on cement for non-constructural application	
Compressive strength	class R1
Chloride ion content	≤ 0,05 %
Adhesive Bond	≥ 0,8 MPa
Dangerous substances	comply with 5.4
Reaction to fire	class A1

## Directions for use

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Cugla advises to do the concrete repair as described in **NEN-EN 1504-10** Products and systems for the protection and repair of concrete structures – Definitions, requirements, quality control and evaluation of conformity – **Part 10: Site application of products and systems and quality control of works.**

### Pre-treatment

For an optimal adhesion Cugla advises:

Pre-treatment with water, the surface must only be moistened with (Please note: No free water!)

or

CUGLACRETE HECHTPRIMER POLYMEER, a fine polymer dispersion in water based on an acrylic resin.

### Mixing

Mechanically mix CUGLACRETE Hoogoven poetsmortel R1 until it becomes a homogeneous mixture. Mixing time depends on the type of mixer, approx. 3 minutes.

### Waterdosage

Water bandwidth: 4,8 – 6,0 ltr/20 kg mortar. Dose, within the indicated water bandwidth, with plenty of water so as to produce a mortar with the right consistency.

### Apply Mortar

- **Apply manual**  
Apply the mortar in layers and make sure the mortar is well compacted. After application the surface can be finished with a trowel.
- **Polishing**  
Apply the mortar with a pre-wetted sponge on to the surface.

### Follow up treatment

The finished surface must be carefully protected against dehydrations with

- CUGLA CURING COMPOUND, or
- cover with plastic foil.

### Packaging

CUGLACRETE Hoogoven poetsmortel R1 is available in sacs of 20 kg.

### Storage and shelf life

If stored in a dry place is has a shelf life of up to 12 months after production date, as stated on the packaging.

**Technical data at 20 °C and 65% RH**

Property	Standard		Value	
Maximum grain	EN 12192-1		<b>0,3</b>	mm
Water bandwidth			<b>4,8 -6,0</b>	l/20 kg
Layer thickness			<b>4</b>	mm max.
Density	EN 12190		<b>1850</b>	kg/m <sup>3</sup>
Workability	EN 13395-1		<b>160 - 180</b>	mm
Initial setting time			<b>30</b>	min
Air content	EN 12350-7		<b>4 - 8</b>	%
Compressive strength	EN 12190	28 days	<b>&gt; 10</b>	N/mm <sup>2</sup>
Adhesive bond		28 days	<b>&gt; 0,8</b>	N/mm <sup>2</sup>
Freeze-thaw (50 cycli with salt)	EN 13687-1		<b>complies</b>	
Shrinkage	EN 12617-4	28 days	<b>&lt; 1,10</b>	mm/m

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