

## CUGLATON® COLD Stelmortel K70

- **CUGLATON® COLD STELMORTEL K70** is a thixotropic mortar ideal for application in the winter season.
- **CUGLATON® COLD STELMORTEL K70** has a working time of **25 minutes at 10 °C**
- **CUGLATON® COLD STELMORTEL K70** has a compressive strength of **30 N/mm<sup>2</sup>** at 18h at **10 °C**.
- **CUGLATON® COLD STELMORTEL K70** has a compressive strength of **25 N/mm<sup>2</sup>** at 18h at **5 °C**.



### Advantages of **CUGLATON® COLD STELMORTEL K70**:

- Avoid seasonal delays due to cold weather
- Complete system for prefab construction
- Continue assembly within 24h
- Guaranteed product quality
- Complies with the Soil Quality Decree

### Applications

<b>Prefab utility</b>	Erecting prefab concrete elements Placing prefab concrete elements in mortar beds
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### Compressive strength (N/mm<sup>2</sup>) at different temperatures (Cube 100\*100\*100 mm)

Temperature	18 h	24 h	7 days
20 °C	45	50	75
10 °C	30	45	65
5 °C	25	30	65
1 °C	15	20	65

### Directions of use

#### Pre-treatment

All surfaces where **CUGLATON® COLD STELMORTEL K70** will be used must be clean that is free of dust and loose materials, oil or any substances that may interfere with the bond. The surface can be damp but not wet (no free water).

- Pre-treatment with water.  
The surface should be dampened with water (Please note: NO FREE WATER!)
- or
- Pre-treatment with CUGLACRETE HECHTPRIMER CEMENTGEBONDEN or CUGLACRETE HECHTPRIMER EPOXY SEALER.  
For an optimal bonding Cugla advises to use CUGLACRETE HECHTPRIMER CEMENTGEBONDEN, a polymer modified cement-based system, or CUGLACRETE HECHTPRIMER EPOXY SEALER, an epoxy-based system.

#### Mixing

Mix **CUGLATON® COLD STELMORTEL K70** with a mechanical mixer until the grout is of a homogenous consistency. The mixing time may vary with the type of mixer, but mix at least 3 minutes.

## Water dosage

Water bandwidth: 2,2 – 2,6 litres /20 kg. Measure the appropriate quantity of water for the required consistency. Please do not use more water than advised.

## Curing

Protection from early drying is essential. Treat exposed surface by covering with a plastic sheet.

## Storage conditions and shelf life

12 months from date of production if stored properly in dry conditions in unopened and undamaged original sealed packing.

## Technical data at 20°C/65% RH

<b>Maximum grain size</b>		2	mm
<b>Mortar type</b>		Trowel mortar	
<b>Cement type</b>		Portland	
<b>Exposure class</b>		X0 - XA3	
<b>Water bandwidth</b>		2,2 – 2,6	litres/20 kg mortar
<b>Consumption per m<sup>3</sup> approx.</b>		2000	kg
<b>Layer thickness</b>		80	mm max.
<b>Density</b>		2250	m <sup>3</sup>
<b>Flow</b>	t = 0 min.	140	mm
<b>Working time</b>		20	minutes
<b>Compressive strength</b>	7 days	75	N/mm <sup>2</sup>
	28 days	90	N/mm <sup>2</sup>
<b>Shrinkage EN 12617-4</b>	24 h	< 0,3	mm/m
	7 days	< 0,65	mm/m
	28 days	< 1,0	mm/m

Cuglaton<sup>®</sup> does not contain any chloride, nor any other corrosive substances.  
For applications < 5°C please contact Cugla B.V. for the right processing advice.

## Health and safety information

Cugla advises:

- To wear appropriate personal protective equipment (PPE).
- To avoid contact with eyes and skin.
- In case of contact with the eyes, to rinse immediately with plenty of water and seek medical advice.
- In case of swallowing the product immediately contact a doctor and show the package and the safety data sheet.

Safety data sheets, SDS, are available via our website [www.cugla.com](http://www.cugla.com).

Changes to this document will not automatically be issued. Any previous product information hereby becomes null and void. The above data is provided to the best of our knowledge. The tests have been carried out under laboratory conditions. We will not accept any liability for the results achieved on the work, now that we have no influence on the process nor the specific conditions of the work.

Our general sales, delivery and payment conditions apply to all our transactions and are available at [www.cugla.com](http://www.cugla.com).