

CUGLATON® COLD GIETMORTEL 4 mm



- **CUGLATON® COLD GIETMORTEL 4 MM** is a flowable mortar ideal for application in the winter season.
- **CUGLATON® COLD GIETMORTEL 4 MM** has a working time of **30 minutes at 10 °C**
- **CUGLATON® COLD GIETMORTEL 4 MM** has a compressive strength of **35 N/mm²** at 18h at **10 °C**.
- **CUGLATON® COLD GIETMORTEL 4 MM** has a compressive strength of **25 N/mm²** at 18h at **5 °C**.

Advantages of **CUGLATON® COLD GIETMORTEL 4 MM**:

- 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

Prefab construction	Casting of concrete pile heads
Industry construction	Grouting of crane gantry Grouting of machine foundations
Concrete construction and hydraulic engineering	Grouting of supports and foundation Filling of cavities, gaps and recesses

Compressive strength (N/mm²) at different temperatures (Cube 100*100*100 mm)

Temperature	18 h	24 h	7 days
20 °C	50	60	80
10 °C	35	53	80
5 °C	25	40	75

Directions of use

Pre-treatment

All surfaces where **CUGLATON® COLD GIETMORTEL 4 MM** 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 GIETMORTEL 4 MM** with a mechanical mixer until the grout is of an homogenous consistency. The mixing time may vary with the type of mixer, but mix at least 3 minutes.

Mixing water

Water range: 2,3 – 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 surfaces with CUGLA CURING COMPOUND, or use any other approved curing methods such as 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

Maximum grain size		4	mm
Mortar type		Grouting mortar	
Cement type		Portland	
Exposure class		X0 - XA3	
Water range		2,3 - 2,6	litres/20 kg mortar
Consumption per m³ approx.		2000	kg
Layer thickness		120	mm max.
Flow	t = 0 min.	≥ 550	mm
Working time		25	minutes
Compressive strength	7 days	80	N/mm ²
	28 days	90	N/mm ²
Shrinkage NEN 3534	24 h	< 0,3	mm/m
	7 days	< 0,7	mm/m
	28 days	< 1,0	mm/m
Water absorption ISO-DIS 7031		< 2	mm
Bleeding		none	

Cuglaton[®] does not contain any chlorine, nor any other corrosive substances. For applications < 0°C please contact Cugla B.V.

Health and safety information

Cugla advises:

- To wear appropriate protective gloves and goggles.
- 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.

For detailed information and advice on the safe handling, storage and disposal users should refer to the most recent Material Safety Data Sheet available on our website 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.