

CUGLATON® GIETMORTEL 4 MM

- CUGLATON GIETMORTEL 4 MM is a shrink-proof, low viscous mortar that fills all cavities and spaces.
- CUGLATON GIETMORTEL 4 MM is ideal for pumping.

Applications


Civil and public utilities / prefab construction	Grouting prefab concrete elements Casting gains Anchoring of reinforcing steel bar
Industrial construction	Grouting crane gantries Casting engine foundations Anchoring of reinforcing steel bar
Concrete construction and hydraulic engineering	Bonding anchors Grouting supports Filling recesses Anchoring of reinforcing steel bar

Classification conform CUR Recommendation 24 Non-shrink mortars



Mortar sort	Grout
Mortar type	4 mm
Strength class	K 70
Exposure class	X0 t/m XA3
Swelling	> 0,1% < 2,0 %
Shrinkage	< 0,60 mm/m

Classification according to NEN-EN 1504-6

 0956	
CUGLA BV , Rudonk 6a, 4824 AJ BREDA 16 0956-CPR-0707 NEN-EN 1504-6 DoP: EM0003-02-10-2023 Anchoring grout	
Pull out strength	≤ 0,6 mm at load of 75 KN
Chloride ion content	≤ 0,05 %
Reaction to fire	Class A1
Dangerous substances	Comply with 5.3

Directions for use

Pre-treatment

The surface onto which CUGLATON GIETMORTEL 4 MM has to be applied needs to be clean. The cement skin coating should be removed and no free water may be present.

- Pre-treatment with water.
The surface must only be moistened with water (Please note: No free water!)
- or
- Pre-treatment CUGLACRETE HECHTPRIMER CEMENTGEBONDEN or CUGLACRETE HECHTPRIMER EPOXY SEALER.
For an optimum bond we advise the use of CUGLACRETE HECHTPRIMER CEMENTGEBONDEN, a cement polymer modified system, or CUGLACRETE HECHTPRIMER EPOXY SEALER, an epoxy-based system.

Mixing

Mechanically mix CUGLATON GIETMORTEL 4 MM until it becomes a homogeneous mixture. Mixing time depends on the type of mixer, approx. 3 minutes.

Water dosage

Water bandwidth: 2,2 – 2,6 ltr/20 kg mortar. Dose, within the indicated water bandwidth, with plenty of water so as to produce a mortar with a flow of approx. 550 mm.

Follow-up treatment

The finished surface must be carefully protected against dehydration with CUGLA CURING COMPOUND, or by covering with a plastic sheet.

Storage and shelf life

If stored in a dry place it has a shelf life of up to 6 months after production date, as stated on the packaging.

Technical data at 20°C/65% RH

Maximum grain		4		mm
Cement		Portland		
Water bandwidth		2,2 – 2,6		ltr/20 kg mortar
Consumption per m³ approx.		2060		kg
Density	EN 12350-6	2300		kg/m ³
Layer thickness		120		mm max.
Workability	EN 13395-2	t = 0 min.	550	mm
	EN 13395-2	t = 30 min.	450	mm
Setting time	ASTM		30	minutes
	C827/87		90	minutes (with max water dosage)
Swelling v/v	ASTM C827/87		> 0,1 en < 2,0	%
Shrinkage	EN 12617-4	24 hours	< 0,3	mm/m
		28 days	< 1,0	mm/m
E-modulus	EN 13412		38.0000	N/mm ²
Pull out test	EN 1881	Dry	0,184	mm
		Wet	0,355	mm

Strength development	EN 196-1	16 hours	24 hours	7 days	28 days	91 days
Flexural strength	N/mm ²	5	6	10	11	
Compressive strength	N/mm ²	28	48	75	90	100

Cuglaton® does not contain any chlorine, nor any other corrosive substances. For application at temperatures < 0 °C please contact Cugla B.V.

Health aspects

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 or the safety data sheet.

Safety data sheets, SDS, are available via 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.