

CUGLATON® GIETMORTEL 4 MM FAST


- CUGLATON GIETMORTEL 4 MM FAST is a unique highly flowable cementitious grout, extremely suitable for quick turnaround applications.
- Due to the rapid strength development CUGALTON GIETMORTEL 4 MM FAST can be demoulded after just 2 hours.
- Compressive strength at 6 hours = 18 N/mm² and at 28 days = > 80 N/mm² both at a temperature of 20 °C.
- CUGLATON GIETMORTEL 4 MM FAST has a workable time of minimum 25 minutes at a temperature of 20 °C.
- CUGLATON GIETMORTEL 4 MM FAST is a cement mortar based on Portland cement.



Applications

General	For (re) construction work where quick turnaround is required
Civil and public utilities / prefab construction	Grouting prefab concrete elements Casting gains Grouting steel structures
Industrial construction	Grouting crane gantries Casting engine foundations
Concrete construction and hydraulic engineering	Bonding anchors Grouting supports Filling recesses

Classification according to NEN-EN 1504-6

 0956	
CUGLA BV , Rudonk 6a, 4824 AJ BREDA 19 0956-CPR-0707 NEN-EN 1504-6 DoP: EM0045-21-05-2019 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 FAST 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 FAST until it becomes a homogeneous mixture. Cugla advises to mix the mortar according to the following steps:

- Add 80 % of the mixing water to the mortar
- Mix for 2 minutes
- Add the last 20 % of the mixing water
- Mix for 1 minute.

Water dosage

Water range: 2,5 – 2,7 ltr/20 kg mortar. Dose, within the indicated water bandwidth, with enough of water so as to produce a mortar with a flow of approx. 600 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 12 months after production date, as stated on the packaging.

Technical data 20°C/65% r.h.

Maximum grain	4 mm		
Cement	Portland		
Exposure class	X0 t/m XA3		
Water range	2,5 – 2,7	ltr/20 kg mortar	
Consumption per m³ approx.	2000	Kg	
Density	2250	kg/m ³	
Layer thickness	150	mm max.	
Workability	t = 0 min.	> 600	mm
Potlife		25	minutes
Swelling v/v ASTM C827		0,1	%
Pull out test NEN-EN 1881	Dry	0,21	mm
	Wet	0,00	mm
Shrinkage	24 hours	< 0,2	mm/m
	7 days	< 0,5	mm/m
	28 days	< 0,6	mm/m

Strength development bij 20 °C (prism 40*40*160 mm)

		2 hours	6 hours	24 hours	7 days	28 days
Compressive Strength	N/mm ²	demouldable	18	54	75	85

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 the correct 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 or the safety data sheet.

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 progress 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

For detailed information we refer to the safety data sheet, SDS Cuglaton GIETMORTEL 4 MM FAST, on our website.

Januari 2004. Wijzigingen van deze documentatie worden u niet automatisch verstrekt. Voorgaande productinformatie vervalt hierbij. Bovenstaande waarden worden naar beste weten verstrekt. Het betreft daar laboratoriumomstandigheden. Wij kunnen t.a.v. de bereikte resultaten op het werk geen aansprakelijkheid aanvaarden, nu wij geen invloed hebben op de verwerking, noch op de specifieke omstandigheden op het werk.

Op al onze transacties zijn van toepassing onze algemene verkoop-, leverings- en betalingsvoorwaarden. Een exemplaar wordt u op verzoek verstrekt.