

## CUGLATON® GIETMORTEL 1 MM

- CUGLATON GIETMORTEL 1 mm is a shrink-proof, low viscous mortar that fills all cavities and spaces.
- CUGLATON GIETMORTEL 1 mm is ideal for pumping.

### Applications

<b>Civil and public utilities / prefab construction</b>	Grouting prefab concrete elements Casting gains Grouting steel structures
<b>Industrial construction</b>	Grouting crane gantries Casting engine foundations
<b>Concrete construction and hydraulic engineering</b>	Bonding anchors Grouting supports Filling recesses

### Classification in accordance with CUR Recommendation 24 Non-shrink mortars



<b>Mortar sort</b>	Grout
<b>Mortar type</b>	1 mm
<b>Strength class</b>	7 days K 70
<b>Exposure class</b>	X0 t/m XA3
<b>Swelling</b>	> 0,1% < 2,0 %
<b>Shrinkage</b>	< 0,72 mm/m

### Directions for use

#### Pre-treatment

The surface onto which CUGLATON GIETMORTEL 1 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 1 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**

<b>Maximum grain</b>			1	mm
<b>Cement</b>			Portland	
<b>Water bandwidth</b>			2,2 - 2,6	ltr/20 kg mortar
<b>Consumption per m<sup>3</sup> approx.</b>			2000	kg
<b>Density</b>	EN 12350-6		2250	kg/m <sup>3</sup>
<b>Layer thickness</b>			70	mm max.
<b>Workability</b>	EN 13395-2	t = 0 min.	550	mm
	EN 13395-2	t = 30 min.	450	mm
<b>Initial setting time</b>	ASTM C827/87		30	minutes
<b>Swelling v/v</b>	ASTM C827/87		> 0,1 en < 2,0	%
<b>Shrinkage</b>	EN 12617-4	24 hours	< 0,3	mm/m
		28 days	< 1,1	mm/m

<b>Strength development</b>		<b>16 hours</b>	<b>24 hours</b>	<b>7 days</b>	<b>28 days</b>	<b>91 days</b>
<b>Flexural strength</b>	N/mm <sup>2</sup>	5	6	9	10	
<b>Compressive strength</b>	N/mm <sup>2</sup>	28	45	75	86	95

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 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](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).