

CUGLATON® OSM

- CUGLATON OSM is a shrink-proof cement mortar that has been specially developed for grouting steel and concrete structures. After preparation with water a moist mortar is produced.
- CUGLATON OSM can be simply with a jointer or trowel. The mortar does not sag so no shuttering is required.

Applications

Civil and public utilities / prefab construction	Grouting prefab concrete elements Grouting of steel construction
Industrial construction	Grouting prefab piles with enlarged base
Concrete construction and hydraulic engineering	Grouting guard railing Grouting curb profiles Grouting traffic portals

Classification in accordance with CUR Recommendation 24 Non-shrink mortars



Mortar sort	Grout
Mortar type	2 mm
Strength class	K 60
Environment class	X0 t/m XA3
Swelling	> 0,1% < 2,0 %
Shrinkage	< 0,54 mm/m

Directions for use

Pre-treatment

The surface onto which CUGLATON OSM 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 OSM until it becomes a homogeneous mixture. Mixing time depends on the type of mixer, approx. 3 minutes.

Water dosage

Water bandwidth: 1,9 – 2,2 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. 100 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		2	mm
Cement sort		Portland	
Water bandwidth		1,9 - 2,2	ltr/20 kg mortar
Consumption per m³ approx.		2080	kg
Density	EN 12350-6	2300	kg/m ³
Layer thickness		120	mm max.
Flow measure	EN 13395-2	100 - 130	mm
Initial setting time	ASTM C827/87	30	minutes
Swelling v/v	ASTM C827/87	> 0,1 en < 2,0	%
Schrinkage	EN 12617-4	24 hours 28 days	< 0,2 < 0,7 mm/m mm/m

Strength development ISO 679	EN 196-1	16 hours	24 hours	7 days	28 days	91 days
Tensile strength	N/mm ²	4	6	9	10	
Compressive strength	N/mm ²	40	55	75	85	100

Cuglaton[®] OSM 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.