

CUGLA® COLLOIDAL 100

Admixture in accordance with NEN-EN 934-2



0956-CPR-1501

CUGLA COLLOIDAL 100 is a water retaining admixture especially for under water concrete.

CUGLA COLLOIDAL 100 is a powder which increases the internal cohesion of the concrete to avoid leaching or loss of cement paste.

CUGLA COLLOIDAL 100 is applicable in:

- Concreting under water
- One grain concrete (= concrete without sand as bank reinforcement)
- colloidal concrete
- filling of double sheet piling profile
- filling of hollow foundation piles
- concrete for hollow piles

Benefits of use

CUGLA COLLOIDAL 100 stabilizes the concrete and prevents water separation.

CUGLA COLLOIDAL 100 reduces the changes of segregation to a minimum when pumping closed colloidal concrete.

NOTE:

- If the concrete hits the water form great altitude and with high speed, the change to segregation is very high. To avoid this the concrete should be placed according to the 'contractor method'.
- Avoid concreting in case of large currents and high waves.
- The concrete should not be exposed to flow caused by shipping, before its hardened.
- One grain concrete should not be pumped.

Product properties

Product name	CUGLA COLLOIDAL 100			
Category	Water resistant admixture			
Side effect	Slight retardant is possible (depending on the cement)			
Manufacturer/supplier	CUGLA			
Colour code	Violet			
Physical state	Powder			
Colour	White / off-white			
Soluble in water	Yes			
Total chlorine	%	< 0,1		
Alkaline content	%	1,5		

Use and dosage instructions

CUGLA COLLOIDAL 100 increases the consistency of the concrete so that the grout is protected against leaching. By the high interdependence the concrete is viscous and stickier.

The Slump test should be between 180 and 200 mm. When lifting the cone, one notices that the concrete slowly flows.

An open colloidal concrete is dryer than a closed colloidal concrete.

CUGLA COLLOIDAL 100 must be added before dosing the mixing water.

Dosage depends on the consistency, composition and used superplasticizer. De dosage varies from 1 to 3 kg per m³.

Use with other admixtures only in consultation with CUGLA.

Packaging

Packaging in water-soluble bag, content 1kg. The water-soluble bags are packed in one box of 15 pieces.

Health and environmental aspects

Cugla recommends that when using Cugla admixtures:

- Should the product come in contact with eyes, rinse immediately with water and seek medical advice.
- Should the product come in contact with skin, wash immediately with soap and water.
- Should you feel ill, consult a doctor, showing him/her this sheet or the safety information sheet.

For detailed information we refer to the safety data sheet, SDS COLLOIDAL 100, on our website.

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.

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