

## SIKA STABILIZER-210 WATER

Colloidal agent for concrete

<b>Presentation</b>	SIKA DEEP-100 is a compound in powder form designed for the manufacture of concrete and mortar cast under water and subjected to washing out constraints, or cast in absorbent ground.
<b>Fields of application</b>	<p>SIKA DEEP-100 is recommended for all concreting in the presence of water or in absorbent ground:</p> <ul style="list-style-type: none"> <li>■ Reinforcing embankments</li> <li>■ New works or repair of dikes, canal floors and bridge piers</li> <li>■ Strengthening of breakwaters at sea</li> <li>■ Construction of dikes, breakwaters, artificial islands, etc. in the sea</li> <li>■ Pile or excavation concrete in absorbent ground.</li> </ul>
<b>General characteristics</b>	<p>SIKA DEEP-100 consists of fine particles to improve the ability to retain the water in concrete and mortar into which it is mixed. SIKA DEEP-100 enables:</p> <ul style="list-style-type: none"> <li>■ A significant reduction in washing out of concrete during under water casting</li> <li>■ An increase in viscosity of concrete and mortar, without flushing or segregation or modifying the consistency class</li> <li>■ A significant reduction in the drying of concrete and mortar during casting in absorbent ground.</li> </ul> <p>SIKA DEEP-100 is compatible with the range of SIKA plasticizers and super plasticizers (Plastiment, Sikaplast techno, Viscocrete tempo and Viscocrete krono).</p>
<b>Characteristics</b>	
<b>Appearance</b>	Light grey powder
<b>Packaging</b>	Sealed bag containing 5 pulpable doses of 1kg (carton of 5 sealed bags, 12 cartons per pallet)
<b>Storage</b>	Store sheltered from moisture
<b>Preservation</b>	1 year in its original packaging sheltered from moisture
<b>Technical data</b>	
<b>Na<sub>2</sub>O Eq. content</b>	< 3.0%
<b>Cl<sup>-</sup> ions content</b>	< 0.10%
<b>Density</b>	<p>Bulk density = 610 kg/m<sup>3</sup>          Actual density = 1.32 kg/l</p>



## Application conditions

Proportioning

Recommended proportioning for under water casting:

- 1 to 2 kg/m<sup>3</sup> of concrete (without current and in shallow waters)
- 3 to 4 kg/m<sup>3</sup> of concrete (weak current and/or pressure head < 3m)
- 5 to 6 kg/m<sup>3</sup> of concrete (strong current and/or pressure head > 3m)

Recommended proportioning for casting in absorbent ground:

Up to 3 kg/m<sup>3</sup> depending on the type of soil.

## Implementation

SIKA DEEP-100 must be dry blended with other concrete constituents before introducing mixing water. After adding water, mixing must be done for 1min 30sec to allow complete distribution of the different constituents. The subsidence of the slump cone of fresh concrete must be 20±2cm. It is prohibited to add water later.

## Precautions for use

Consult the safety data sheet available on the [nga.sika.com](http://nga.sika.com) website

## Legal statements

Product reserved strictly for professional uses

Our products are covered by third- party liability insurance.

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