

## PRODUCT DATA SHEET

## Sika® Plug CN

## WATERPLUG, FAST SETTING, CEMENTITIOUS MORTAR

**DESCRIPTION**

Sika® Plug CN is a chloride-free, ready-to-use mortar. When mixed with water, it becomes a powerful, fast-setting temporary waterplug.

**USES**

To stop pressure leaks and seepage through rock and concrete as well as through joints between concrete and steel (bolt surroundings, ducts, sheetpiles etc.) in subways, culverts, tunnels, dams, basements, pools.

**CHARACTERISTICS / ADVANTAGES**

- Small packaging for easy usage, easy to mix, just add water
- No special equipment required
- Very fast setting with rapid strength development
- Good adhesion
- Remarkable water-stopping power and hydraulic resistance
- No cracking

**PRODUCT INFORMATION**

<b>Packaging</b>	1 kg bag
<b>Appearance / Colour</b>	Powder / Grey
<b>Shelf life</b>	6 months from date of production if stored properly in unopened, original packaging
<b>Storage conditions</b>	Dry, cool, shaded place
<b>Density</b>	~ 1.30 kg/l (bulk density of powder) ~ 2.10 kg/l (density of fresh mortar)

**APPLICATION INFORMATION**

<b>Mixing ratio</b>	Sika® Plug CN : water = 1 : 0.22 (parts by weight)
<b>Initial Set Time</b>	2 to 3 min. (at 27 °C / 65 % r.H)

## APPLICATION INSTRUCTIONS

### APPLICATION

- Cut concrete or rock in “V” shape around the leaking point. Remove all chipping, unsound and loose particles and clean surface with water prior to application of Sika® Plug CN.
- Fill freshly prepared Sika® Plug CN into the V-shape cut, starting outside and work towards the center of the leak (plug minor leak first). Hold materials in place, and then strike off flush with surface.
- If water pressure is very high, it is recommended to use wooden plug first, which is then covered and secured with Sika® Plug CN.

### IMPORTANT CONSIDERATION

It is recommended to prepare Sika® Plug CN in small quantities at a time.  
If mixed in large amount, hardening may occur before it is completely used.  
Do not mix Sika® Plug CN with other admixtures, cement or sand.

### BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

### LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## ECOLOGY, HEALTH AND SAFETY

**Transportation class:** Non-hazardous

**Important notes:** Sika® Plug CN is hygroscopic. Seal unused quality immediately in original container. Sika® Plug CN is cement base therefore is alkaline. Use rubber gloves when working with Sika® Plug CN. If Sika® Plug CN gets into eyes, clean out immediately with fresh water.

### LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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