

CEMSWELL® “INJECT” HYDROPHILIC SWELLING RUBBER INJECT

Expanding joint sealing profile for the sealing and injecting of joints in prefabricated concrete elements and for in-situ concrete constructions

PRODUCT DESCRIPTION

CEMswell® “inject” is an expanding joint sealing profile that swells upon contact with water, whilst remaining dimensionally stable. Sealing with swelling rubber and injection hose consists of the products CEMswell® swelling rubber and BPA injection hose (CEM11 or PREDIMAX® 11). Both together they result in the unique double sealing of construction joints (swelling and injecting).



APPLICATION AREAS

CEMswell® “inject” is used for sealing construction joints which are permanently or occasionally exposed to groundwater, slope water and/or surface water. The structurally necessary construction joints can be sealed tight to water pressure.

HOW DOES HYDROPHILIC SWELLING RUBBER CEMSWELL® WORK?

On contact with water CEMswell® is capable of swelling up to 4 times its own volume and under conditions of confinement will mould itself to the surrounding surfaces producing a water-tight seal. The sealing effect is attained through the developing swelling pressure even if the surrounding surfaces are rough and the joint gaps to be filled are of an uneven size. CEMswell® is capable of performing multiple swelling cycles.

Due to the geometry of the apertures in the CEM11 / PREDIMAX 11 Injection Hose the outlets remain closed, preventing the ingress of cement paste or fines into the transport duct, thus providing a reliable passage for the injection material. The smooth surface of the Tube prevents any unwanted bonding between the concrete and the outer surface of the Tube. The CEM11 / PREDIMAX 11 Injection Hose is suitable for use with any favoured injection materials and its smooth, non-adhering surface gives the CEM11 / PREDIMAX 11 Injection Hose the ability to be used for remedial injection treatments.

CHARACTERISTICS AND ADVANTAGES

- ☞ CEMswell® is based on an extruded hydrophilic swelling rubber and special admixtures.
- ☞ Swelling and injecting; Injection only if necessary!
- ☞ Solid when being installed under building-site conditions with fastening system.
- ☞ Easy handling; simple time-saving fitting.
- ☞ The smooth surface avoids unwanted bonding between injection hose and concrete, therefore the CEMswell® “inject” is easy to inject. Even after years an injection is still possible.
- ☞ CEMswell® has been developed for the successful sealing of joints up to 12 bar water pressure.
- ☞ Swelling volume more than 400%.
- ☞ Reversible swelling process for water change zones stress.
- ☞ Easy to install.
- ☞ Approved for the use in waste water, slurry and animal manure.

APPROVALS

- ☞ General Building Code Test Certificate (abP)
- ☞ Slurry and animal manure resistant



PRODUCT DATA

	Hydrophilic Swelling Rubber CEMswell® inject	Article-No.
Dimensions/ Packaging	CEMswell® “inject” 23x15 mm; 5x5 m per box; 900 m per pallet	12-400
	Injection Hose	
	CEM11, injection hose; 50 m / roll; 2.500 m / pallet	10-300
	Predimax 11, injection hose; 100 m / roll; 2.500 m / pallet	10-200
Storage	Shelf life 3 years when stored in dry conditions, protected from direct sunlight, frost and water	

ADDITIONAL INFORMATION

Surface preparation

The surface onto which CEMswell® “inject” is to be placed should be clean and flat.

Environment and health

This product does not represent a hazardous substance within the meaning of the EU Hazardous Substances Regulation. A safety data sheet for transport, placing on the market and use is available on the request.

Dangers and Safety

The essential safety, toxicological, physical and ecological data for the handling of CEMswell, CEM11 and PREDIMAX 11 can be taken from the product-specific safety data sheets.

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.

Legal advice

All above mentioned Information concerning BPA products, especially any recommendations and advices relating to the application and use of BPA products are given in good faith based on BPA’s current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with BPA’s recommendations.

In practice, the differences in materials, actual site conditions and other factors outside are such that no warranty 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 before proceeding with the full application of the products. BPA reserves the right to change the properties of its products without notice. Users must always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request. All sales of BPA are subject to our current terms and conditions.

Local Restrictions

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local product data sheet for the exact description of the application fields.

