



HYDROBLOC

BUILT ON PERFORMANCE

Hydrobloc CJSW 20

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HERMOPLATIC EXPANSIVE WATERSTOP FOR WATERPROOFING CONSTRUCTION JOINTS

Product Description:

- Simple application.
- Rapid and strong expansion.
- Self-injecting function into cracks and voids.
- Completely dimensionally stable even at high temperatures.
- Swelling process inexhaustible, often reversible.
- Suitable for freshwater & seawater applications.

Product Application:

It is essential that there is at least 8cm coverage of concrete from the side exposed to water. Bond HYDROBLOC CJSW 20 with a mounting adhesive suitable for water stops. Completely cover the prepared substrate with the mounting adhesion and press the HYDROBLOC CJ8, into the adhesion until it oozes out from beneath. Do not begin the concreting process for at least 8 hours after bonding.

Water-stops connections can be made by overlapping by 50mm or by butt jointing. The water stops must be placed tightly together to prevent gaps. Butt jointed water-stops must be covered by a separate section of water-stops with a 30mm overlap to both sections.

Areas Of Application:

HYDROBLOC CJSW 20 is used for waterproofing the inner side of concrete construction joints in accordance with Building Regulations list A, part 2 serial number 2.53, where there is constant or intermittent exposure to groundwater, run-off water &/or surface water. HYDROBLOC CJSW 20 is suitable for riparian zones. Construction joints can be sealed watertight to a depth of 8m. HYDROBLOC CJSW 20 is suitable for application class A, exposure levels 1 and 2 in accordance with the waterproofing guidelines of the German reinforced concrete commission (*1).

Substrate Preparation:

The substrate must be load-bearing, mostly flat and have a closed surface texture. It must be free from gravel pockets, cavities, gaping cracks, and dust and be free from adhesion-inhibiting substances. Laitance layers are to be removed.



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Technical Data:

Property	Typical Value
Basic	TPE (thermoplastic elastomer) Water stop profile is quadratic + flexible
Colour	Red
Density	approx. 1.25g/ m ³
Thickness	5mm
Width	20mm
Start of swelling on Water contact	approx. 6 hours
Swelling capacity (demineralized water)	approx. 50% after 2 hrs approx. 460% after 24 hrs >850% after 8 days
Expansive pressure Water impermeability after installation	approx. 1.06 N/mm ²
-Joint width 0.25 mm	2 bar
-Joint width 1.0 mm	1.5 bar
Toxicity	None
Reaction to fire	Class E to DIN EN 13.501-1
Packaging	rolls with 40 linear meters/ carton
Storage	2 years when stored dry, Frost free and protected against weathering

Advice:

- It is essential to store the waterstop dry.
- Waterstops must lie flat and planar on the concrete. There must be no contaminants beneath the waterstop.
- Protect the waterstop from moisture until the concrete is poured.
- Before commencing the concreting process visually inspect the waterstops. Heavily swollen waterstop tape is unsuitable and must be removed.
- Waterstops are not suitable for movement joints
- Follow current relevant regulations and data sheets. Therefore e.g. Guidelines" Water impermeable concrete commission (DafStb) Data sheet" Injection grouting hose system and expansive inlays for construction joints", German Concrete and Construction Technology Association.