INDU-FLEX CJ13

Thermoplastic expansive waterstop for waterproofing construction joints

Properties:

- Easy to use
- Rapid and intensive expansion
- Self injecting function due to penetration into cracks and voids
- Completely dimensionally stable, also at high temperatures
- Infinite expansion process often reversible
- Suitable for fresh water and salt water
- General technical building certificate available

Areas of application:

INDU-FLEX CJ13 is used for the internal waterproofing of construction joints in concrete constructions, where there is a constant or intermittent exposure to ground water, run-off water or surface water. It can be applied in zones where the water level is in constant change, without problem. The construction joints can be formed watertight against water under pressure to a depth of 8m.

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, dust and be free from adhesion inhibiting substances. Laitance layers are to be removed, mechanically abraded (sand blasted) as necessary. During the application of INDU-FLEX CJ13 the substrate may be matt damp. The formation of puddles is not permitted.

Product application:

It is essential that there is a > 8 cm of concrete from the side exposed to water. INDU-FLEX CJ13 can be bonded with the installation adhesive for expansive waterstops. Thoroughly apply the installation adhesive to the prepared substrate and press the INDU-FLEX CJ13 into the adhesive until it oozes from the underside. The concreting process can proceed no earlier than 8 hours after bonding. Alternatively the INDU-FLEX CJ13 can be secured using steel nails (min. 5 nails per metre). The connecting of waterstops can be carried out by overlapping by a minimum of 30 mm or by butt jointing. It is essential that both the waterstops are tight up against one another to avoid flaws. Butt jointed waterstops are to be secured with a separate waterstop overlapped to both by a minimum of 30 mm.

Technical data:

Basis:	TPE (thermoplastic elastomer)
Format:	Waterstop profile is quadratic+flexible
Colour:	Red
Dimensions:	5 x 20 mm
Start of swelling on water contact:	Approx 6 hours
Expansion ability:	Approx 140% after 24 hours Approx 400% after 72 hours Approx 800% after 14 days

It complies with Bauregelliste A, Part 2, No. 1.4 in accordance with the standards of DIBt, Berlin.
Resistant to 2 bars when the construction joint width is 250 Microns.
Resistant to 1.5 bars when the construction joint width is increased to 1.0 mm.

Toxicity:	none
Packaging:	25 m rools = 175 m per box
Storage:	dry, frost free and protected from weathering, max. 5 years in the original unopened packaging.

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 waterstop. Heavily swollen waterstop tape is unsuitable and must be removed.
- Waterstops are not suitable for movement joints.

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