DECASEAL 20.10

Hydro-expansive profile based rubber

Characteristic

DECASEAL 20.10 is a rubber hydro-expansive profile ready to use, for the sealing of construction joints, repeatedly cast, floor or wall joints, anchoring of plastic or metallic elements. DECASEAL 20.10 is made of a mixture of synthetic and natural rubbers and a particular polymer that expanding, in contact with water, thus ensures a perfect seal.
The considerable pressure exerted on the walls of confinement guarantees a perfect seal to the water even to high hydraulic pressures.

Application fields

Expansion and contraction joint in the construction of tunnel, in the cube-shaped buildings of steel and concrete, foundation slabs, walls flange, tanks, pools, sewer, etc.

Application methods:

DECASEAL 20.10 must be fixed to the support floor using the hydro-expansive mastic P201 in cartridges or trough studs performed at regular intervals of 15 cm.
In case of particularly rough surfaces it is advisable to reduce the distance between adjacent nails.
Pose the joint along the central part of the support. In case of large areas, it must be applied two parallel profiles so as to increase the safety margin.
The support surfaces should be regularised and clean and if eventually the laying surface doesn't allow an uniform adhesion of the DECASEAL 20.10, use in correspondence to the irregularities as well the sealing mastic P201. The profiles link can be made moving closer the heads terminals for about 5 cm and using the sealing hydro-expansive mastic P201 as adhesive mastic.

Technical data:

▪ Chemical consistency	Mixture of natural and synthetic rubber, hydro-expansive polymer
▪ Dimension	20 x 10 mm
▪ Specific weight JIS 6350	1,20 ± 0,05 g/cc
▪ Resistance to hydrostatic pressure	up to 5 atm
▪ Expansion in distilled water	250%
▪ Hardness JIS k 6301	45 ± 5
▪ Elongation at break JIS 6301	> 550%
▪ Resistance in traction	4 N/mm²
▪ Chemical stability	resists well in contact with water and lime

Please note

The expansion of DECASEAL 20.10 must be greater compared to the dimension of the joint to be sealed so therefore to ensure a sufficient pressure to completely block the infiltration.

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