

PRS.0234

ELASTOTEX 220

22 cm elastomeric waterproofing strap for expansion joints

Customs Code

3921 9090

Packaging

- Roll 30 m

Application

- Apply by hand

Family
Proseal

Product Lines

- Aqua
- Infratech

Components
Single-component

Type

Bandelle per giunti di dilatazione in materiale termoplastico con fasce laterali in tessuto non tessuto

Functional Categories

- **Waterproofing with hot-sprayed elastomeric coatings (100% pure polyurea)**
- **Waterproofing control joints or construction joints**
- **Construction and maintenance interventions on airport runways and quays**
- **Structural maintenance of dams, reservoirs, ducts and water ducts**
- **Structural maintenance of bridges and viaducts**
- **Structural maintenance of tunnels**

Appearance
Tape

General description

Strap with high resilience and resistance, with an overall width of 22 cm, consisting of a special thermoplastic elastomeric layer, resistant to ageing and wear and tear, and two lateral bands in non-woven polypropylene fabric. Perfect for waterproofing hydraulic sealing expansion joints in buildings, works and structures below aquifer level or to ensure the water-tightness of structural connections even off the ground.

General features

ELASTOTEX 220 is endowed with exceptional chemical inertness, laboratory tests have shown that it can sustain prolonged contact for 7 days at 20 °C with the following substances without problems: hydrochloric acid at 3%, sulphuric acid at 35 %, citric acid at 100 g/l, lactic acid at 5%, potassium hydroxide at 3% and 20%, sodium hypochlorite at 0.3 g/l, salt water at 20 g/l.

Dosage

1.1 m/m: 1 metre of ELASTOTEX 220 for each linear metre, being careful to overlap the rolls of approximately 5-10 cm in correspondence with the edges of the band to guarantee the permanent water tightness of the system.

Fields of application

Waterproof sealing of expansion joints, including large ones, subject to considerable work movements, and of natural joints and fissures, also in conditions of hydraulic counter-thrust, in tunnels, silos, tanks, pools, basements, roofing, prefabricated coverings, road joints and hydraulic works in general.

Basic features



Nonflammable



Shelf-life:
24 months



Temperature of use:
-30 / +90 °C



Width:
220 mm



Available colours
Gray

IF YOU WANT TO SOLVE IT


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Technical specifications

Breaking load lateral DIN EN ISO 527-3: 61 N / 15 mm _

Breaking load longitudinal DIN EN ISO 527-3: 167 N / 15 mm _

Breaking load longitudinal (only flexible zone) DIN EN ISO 527-3: 51 N / 15 mm _

Extension break lateral DIN EN ISO 527-3: 424 %

Extension break longitudinal DIN EN ISO 527-3: 284 %

Longitudinal elongation at break DIN EN ISO 527-3: 35 %

Power absorption at 25% elasticity lateral DIN EN ISO 527-3: 1.2 N/mm

Power absorption at 50% elasticity lateral DIN EN ISO 527-3: 1.4 N/mm

Resistance to water pressure DIN EN 1928 (B): >3 bar

Thickness: 1.5 mm

UV resistance DIN EN 4892-3: 2480 h

Substrate preparation

The application surfaces should be clean, free of incrustations, dust and non-adhering parts, carefully roughened.

Instructions for use

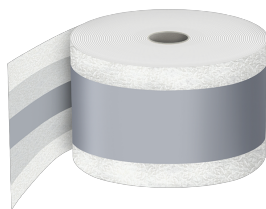
Mix the epoxy resin SYNTECH AS 31 thoroughly in the pre-determined amount as required. Spread the epoxy adhesive prepared as described above, on the sides of the joint to be waterproofed by toothed adhesive spreader, kept constantly clean, taking care to obtain uniformity of the thickness applied that must not be less than 2 mm. Unroll and apply the ELASTOTEX 220 strap, on the fresh adhesive spread, pressing it against the resin, stretching the ends by hand, taking care to avoid wrinkling and air bubbles, until the underlying resin totally impregnates the fabric at the side of the strap. Apply with a metal filling knife a second layer (at least 2 mm) of SYNTECH AS 31 adhesive on the fabric at the edges of the strap, already impregnated, in order to protect it permanently from accidental damage and to obtain certain monolithicity of the end to the support.

For the joint between two adjacent straps, weld the end flaps for overlap and solder them using a special hot air welding machine. For additional security of the seal, a small layer of SYNTECH AS 31 should be applied on the heated flaps.

The final system resistances will be reached after about 7 days after laying, but already after 24 hours at 20°C, values equal to 60-70% of the final performances can be obtained. In any case the performance after 24 hours will be much greater than those of a high quality concrete.

Storage and preservation

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight.



Warnings, Precautions and Ecology

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: www.azichem.com. The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: www.azichem.com.

It is forbidden to dispose of the product and/or packaging in the environment.

ELASTOTEX 220 is produced/distributed by



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