Beltseal

Hydroexpansive gasket for PVC conduit pipes in concrete masonry

Beltseal is a gasket "belt" produced with a special hydro-expansive rubber that reacts upon coming into contact with water that increases its initial volume. Thanks to its geometry, Beltseal is very quickly applied directly to PVC piping without additional processing. It hermetically seals any discontinuities that could easily be found in the concrete due to the presence of PVC conduit pipes. In many cases, such discontinuities could pass from one side of the masonry to the other and thus seriously compromise the waterproofing of the masonry itself. There are three sizes available which are respectively suitable for diameter pipes: 70/90 mm, 110/125 mm and 160/200 mm.

CUSTOMS CODE: 4006 9000
COMPONENTS: Single-component
APPEARANCE: Gasket
AVAILABLE COLORS: Blue
PACKAGING AND DIMENSIONS: Beltseal 70/90: 1 x (Box 180 unit) - Beltseal 110/125: 1 x (Box 180 unit) - Beltseal 160/200: 1 x (Box 180 unit)

FEATURES AND BENEFITS

The hydroexpansive capacity of Beltseal has been laboratory tested with two different types of water: demineralised and with a highly basic pH (to simulate conditions in contact with concrete). Expansion tests showed a respective change in volume of 300% and 250%.

FIELDS OF APPLICATION

For underground concrete constructions with conduit pipes, where the wall is in direct contact with the ground and where there are no layers of waterproofing outside the masonry itself: basements, cellars, underground garages, below-ground and cellar environments, etcetera.

ALLOWED SUPPORTS

Concrete - Prefabricated concrete - Plastic - Steel

MODE OF USE

Position the Beltseal hydrofoam gasket centrally in respect of the length of the pipe (using one gasket per pipe).

APPLICATION METHODS

Apply by hand

KEY FEATURES

((○)) Hydroexpansive product: 250 - 300 %

🌡 Temperature of use: -20 / +75 °C

🕒 Shelf-life: 24 months

TECHNICAL SPECIFICATIONS

Breaking load longitudinal **>1.5 MPa**

Resistance to water pressure **5 bar**

Density **1.22 +/- 0.03 g/cm³**

Longitudinal elongation at break **>350 %**

Shore A
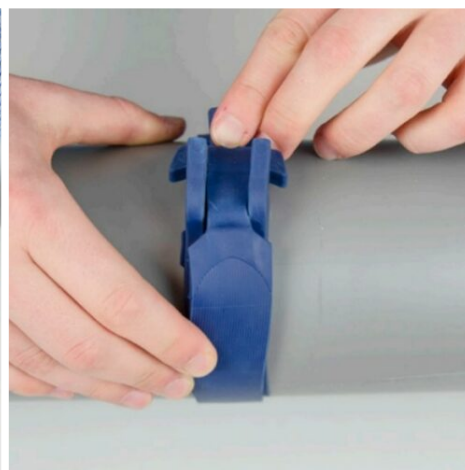Hardness **35**

Alkali-resistant material

CONSUMPTION

No. 1 Beltseal gasket for each conduit pipe to be sealed.

STORAGE AND CONSERVATION

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity.
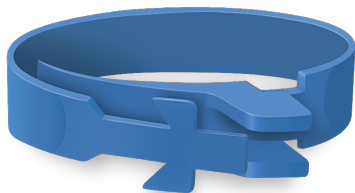
PHOTO GALLERY

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Via Giovanni Gentile, 16/A – 46044 Goito (MN), Italy
Tel: +39 0376.604185 / 604365
Fax: +39 0376 604398
www.azichem.com – info@azichem.com

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ADDITIONAL CONTENT

WARNINGS AND PRECAUTIONS

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.

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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.

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