

HYDRO TAPE

RUBBER SWELLING SEALING TAPE FOR CONCRETE JOINTS

Product Description

HydroTape is a safe and efficient sealing profile preventing the penetration of water and is used in the construction industry. HydroTape is made of a specially modified, high quality NEOPRENE rubber, expanding its volume in proportion to the absorbed amount of water.

Due to this expansion and the resulting pressure, the profile adapts itself very quickly to any subsequent alteration of the cross-section of the joint. The delicate cell structure of the HydroTape limits the pressure of expansion by internal compression of the profile. Unwanted high expansion pressure which could damage the concrete is thus prevented efficiently. The pores of the profile are closed and cannot transport any water.

Uses

Typical examples of use for the HydroTape are

- Sealing of construction joints
- Sealing of precast elements
- Sealing of Concrete Pipes and Culverts openings
- Sealing of base slabs
- Sealing of catch basins
- Sealing of pipes and pipe passages and in all other places where water or aqueous solution must be prevented efficiently from entering the construction.

Advantages

- HydroTape - sealing's can also be used in contact with salt water.
- HydroTape is age resistant.
- HydroTape is chemically neutral. It does not contain any ingredients that affect the concrete reinforcement.
- HydroBloc-Tape is bio-degradable, does not contain any toxic ingredients and can therefore be used without any risk, even in drinking-water areas.
- HydroTape is resistant against the typical ingredients of concrete, petrol and mineral oils, many acids, alkaline solutions and does not become brittle under the influence of ozone.

Technical Data

Expansion

Under contact with water, the product starts to swell. When moistened with water from all sides, the volume of the profile expands by about 10% during the first hour.

The final volume of expansion is reached after approx. 72 hours. The capability of the Hydro-Bloc-tape is, that the expanded tape is absolutely reversible when drying up, the volume of the profile slowly returns to its basic proportions and is immediately re-activated on further contact with water.

HydroTape have a mechanically stable body, even in the expanded condition. They do not dissolve in water, such as products made of Bentonite whose are washed out of joints by flowing or pressurised water.

LeycoChem LEYDE-Iraq

Tel.: 0750-4344200, Tel.:0770-8748222, Tel.:0781-3802151

Email: sales.leycochem.iraq@leyde.com

www.leyde.com

LeycoChem LEYDE GmbH Germany

Industriestrasse 155

P.O. Box 501627

D-50999 Köln/Cologne

Tel.:+49(0)2236-96600-0

Fax:+49(0)2236-96600-10

Email: leycochem@leyde.com

Product Data Sheet

Product No:

Volume and pressure of expansion

The capability of the HydroTape is, to expand is limited to approx. the double of its volume (isotropic). The resulting pressure is limited to approx. 5-7 bar by the cell structure of the matrix.

Application

Installation

If HydroTape is used on concrete, it must be fixed with a suitable adhesive. On uneven surfaces, it is recommended to use an adhesive, e.g. HydroColl. The profiles should always be laid within the area of the centre line. This also applies to precast elements. Profile ends should be either butt-jointed closely together or preferably overlapped.

Safety Instructions

Fire resistance

The HydroTape is non-combustible and does not drip not when exposed to fire. As an organic material, HydroTape corresponds to the building material class "B-1" of the DIN 4102.

Legal notes

Whilst information and/or specification contained herein is to the best of our knowledge true and accurate, and is based on many years experience, we cannot accept any liability either directly or indirectly arising from these of our products, whether or not in accordance with any advice, specification or recommendation given by us, as we have no direct or continuous control over how or where our products are applied.

LEYDE-PRODUCTS are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale. 01.09.2009