



VELOSIT® DB 830

JOINT SEALING TAPE

Product Description

VELOSIT DB 830 is a waterproof joint sealing tape used for waterproofing of construction and expansion joints.

VELOSIT DB 830 is a highly flexible joint sealing tape with good resistance against hydrostatic pressure.

VELOSIT DB 830 is the result of many years in the field testing and research. VELOSIT DB 830 is a waterproof joint sealing tape used for waterproofing of construction and expansion joints.

Typical Applications

- Waterproofing of construction joints between different concrete pours
- Waterproofing of cracks
- Waterproofing of pipe penetrations
- Waterproofing of the wall-slab joint
- Waterproofing of expansion joints
- Waterproofing of interfaces between substrates with different expansion behaviour

Properties

- > 300% tensile elongation
- Minimal thickness makes it an especially suitable substrate for tile applications
- Resists 50 m water pressure acc. to EN 12390-8
- Good chemical resistance against many typical media
- UV stable

Technical Details

Color	Blue
Dimensions	120 mm 200 mm
Weight	120 mm: 0.036 kg/m 200 mm: 0.060 kg/m
Substrate temperature	5 – 35°C
Water impermeability acc. EN 12390-8	Positive side: 5 bar
Tensile elongation	300%



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APPLICATION GUIDELINES

Surface preparation

VELOSIT DB 830 is suitable for all cracks and joints in substrates that are limited to a max. movement of 0.5 mm. VELOSIT DB 830 is only suitable against positive side water pressure.

Substrate must be prepared with sand blasting, shot blasting or ideally high pressure water blasting (> 100 bar) to remove all bond breaking substances. Substrate must be open porous and load bearing. The minimum requirement for adhesive strength is 1.5 MPa and for the compressive strength 25 MPa.

Lower strength values can be accepted if lower adhesive strength is acceptable. This is for example on gypsum boards or gypsum fiber boards the case. Active water leaks must be treated and fully stopped with VELOSIT PC 222. Leaking cracks need to be sealed with a PU injection material. Blowholes, honeycombs or other surface defects can be filled with VELOSIT WP 101 or the repair mortar VELOSIT RM 202. Before the application of VELOSIT DB 830, dampen the substrate with clean water to a saturated surface dry (SSD) condition.

Processing

All joints and cracks with more than 6 mm width must be filled with a backer rod or a flexible joint material before the installation of VELOSIT DB 830.

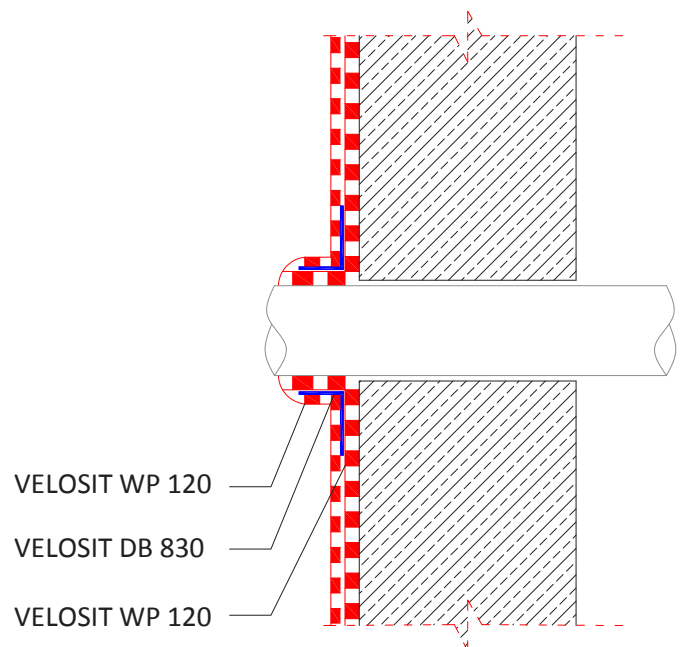
Adhesion with VELOSIT WP 120

Mix a suitable amount of slurry and apply a mortar bed matching the width of the joint tape with a 4 mm notched trowel above the crack or joint. Push VELOSIT DB 830 immediately into the fresh mortar bed and smoothen with a trowel. Excessive adhesive may be used to smoothen the height difference between substrate and joint tape.

Pipe penetrations

Pipe penetrations are waterproofed with a sleeve made from VELOSIT DB 830. Cut a hole into the sleeve with a diameter approx. 6 mm smaller than the pipe. The sleeve is made from a 12 cm piece of VELOSIT DB 830.

Brush plenty of VELOSIT WP 120 onto the pipe and the surrounding area. Pull the sleeve over the pipe push it with a trowel into the material. Work away from the pipe and take care not to entrap air or create wrinkles.





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Curing

VELOSIT DB 830 does not require curing. It may be over coated with VELOSIT WP 120 as soon as the adhesive has set.

Estimating

The required amount is calculated with the planned length of the joint or crack waterproofing.

Clean up

VELOSIT DB 830 does not cause any dirt. Dirty material can be cleaned with a moist cloth.

Packaging

VELOSIT DB 830 is supplied in rolls á 50 m.

120 mm width and 200 mm width

Storage and shelf life

VELOSIT DB 830 can be stored in unopened original packs for 5 years at 5 – 35°C in a dry storage place protected against sunlight.

Safety

Please observe the actual valid material safety data sheet and follow the described safety measures for handling of the product.

Warranties and Disclaimers

Hychem warrants that this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product is dependent upon the proper use and application of the product by the applicator. Hychem has no role in the application of the finished polymer other than to manufacture and supply its components. It is vital that the person applying this product understands the product and is fully trained and certified in the use of spray equipment and application of sol-gel materials. There are no warranties that extend beyond the description on the face of this instrument, except when provided in writing, directly by Hychem and executed under seal by a company officer.

Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by HYCHEM either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not HYCHEM are responsible for carrying out procedures appropriate to a specific application.

Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at the time of print. As the information herein is of a general nature, no assumption can be made as to the product suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.