



RASCOTight QVE Hydrophilic Strip

HYDROPHILIC SYSTEMS

HYDROPHILIC PRODUCTS

RASCOTight hydrophilic products work by expanding their volume upon contact with infiltrating water. The contact pressure built up against the adjoining concrete by this expansion serves to create a watertight barrier. RASCOTight hydrophilic products can be used to waterproof construction joints and penetrations. Some products are self-adhesive while others are fixed mechanically or by (RASCObond) adhesive. The products must always be installed in such a way as to create a complete and continuous system. To prevent premature swelling of the hydrophilic strip materials, these require adequate protection against rainwater and other precipitation prior to concreting. Materials that have swollen must not be cast into the concrete.

USE

RASCOTight QVE-SK Hydrophilic Strip is a self-adhesive waterproofing strip, made from vulcanized elastomers, that swells upon contact with water.

RASCOTight QVE-SK Hydrophilic Strip is used for dry, smooth, non-cementitious bases. This makes it particularly suitable for waterproofing shafts, pipe and other penetrations made from PVC, PE, cast iron, metal etc. or with complicated shapes, e.g. steel sections.

FEATURES

- swells upon contact with water
- reversible swelling
- very straightforward application
- non-absorbent
- suitable for saltwater applications
- protective coating delays initial swelling

APPROVALS

- German National Test Certificate (allgemeines bauaufsichtliches Prüfzeugnis) "waterproofing system for construction joints"

EXPERT REPORTS

- Performance test, MFPA Leipzig, Germany
- Further reports on request



Further product info



LEGAL NOTICE: The information provided on the use and application of our products in this technical data sheet is based on the present state of our knowledge. The customer shall bear sole responsibility for the proper specification, application and use of the products in line with the intended purpose, project-specific conditions and external actions. The most recent technical data sheet shall apply. The current technical data sheets are available at www.rascor.com. Our General Terms of Business shall form an integral part of this technical data sheet.

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TECHNICAL/PHYSICAL DATA

Size	width 20 mm thickness 3 and 10 mm
Colour	yellow
Supplied form	solid
Hazardous goods/ADR	none
Chemical base	vulcanized elastomers
Hydrostatic pressure	suitable for up to 1 bar
Degree and speed of swelling (free swelling in drinking water)	swelling begins after approx. 6 h approx. 30 % after 1 day approx. 100 % after 7 days max. swelling after approx. 60 days
Max. swelling pressure	≤ 10 bar
Storage/shelf life	12 months in original container, in dry conditions

SUPPLY/ADDITIVES

Item no.	Product	Container	Contents
1107.1111.001	RASCOTight QVE 20/03	roll	100 m
1107.1112.001	RASCOTight QVE 20/03 SK	roll	100 m
1107.1511.001	RASCOTight QVE 20/10	roll	25 m
1107.9101.001	RASCOTight Hydrophilic Paste	cartridge	6 pcs / box
1109.2101.001	RASCObond Fixing Adhesive	cartridge	12 pcs / box



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APPLICATION/PREPARATION

With adhesive:

The hydrophilic strip shall be fully bonded using a standard adhesive to the clean base, which shall be as level as possible. Sufficient adhesive shall be used to ensure full contact with the base, i.e. with no voids below the strip. Alternatively, the hydrophilic RASCOTight QVE strip with a self-adhesive backing can be applied to smooth surfaces.

In addition, to facilitate installation, the strip may be mechanically spot-fixed. Individual strips shall be butt-jointed (without bonding). The necessary curing time for the selected adhesive, as specified by the manufacturer, shall be observed.

With fixing device:

A (grid-type or other) clamping device may be used to ensure full contact of the hydrophilic strip with the base. To prevent spalling failure (due to swelling pressure), a minimum concrete cover of 10 cm is required to all sides.

GENERAL GUIDELINES / SAFETY NOTICE

The hydrophilic strip shall not be allowed to come into contact with water for a longer period prior to casting. Under no circumstances shall swollen hydrophilic strip be incorporated in the works.

No special safety instructions are required.