



# RASCOTight QB F2.0

## 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 QB F2.0 is a hydrophilic waterproofing strip based on prepolymerized acrylate. Due to this chemical base, unlimited reversibility of swelling action is guaranteed under changing loads (dry/moist). The special formulation allows swelling effects of up to 300% without any loss of the material structure of RASCOTight QB F2.0.

RASCOTight QB F2.0 was specifically developed for the waterproofing of expansion joints subject to significant movement. The swelling pressure generated upon contact with water ensures permanent joint sealing without requiring surface adhesion.

### FEATURES

- swells upon contact with water
- reversible swelling
- efficient, flexible installation, also in walls
- high swelling capacity
- suitable for saltwater applications
- suitable for sulphate exposure
- combinable with additional acrylic injection products



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](http://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	length approx. 180 cm width approx. 35 mm thickness approx. 35 mm
Colour	yellowish orange
Supplied form	solid
Hazardous goods/ADR	none
Chemical base	modified acrylate polymer
Hydrostatic pressure	suitable for up to 3 bar
Degree and speed of swelling (free swelling in drinking water)	swelling capacity: approx. 50 % after 1 day approx. 80 % after 2 days max. swelling after 3 -5 days
Storage/shelf life	min. 6 months in original container

## SUPPLY/ADDITIVES

Item no.	Product	Container	Contents
1107.3211.002	RASCOTight QB F2.0	pack	3 pcs

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### APPLICATION/PREPARATION

Prior to installation, any material in the expansion joint for repair shall be removed from the area where the RASCOTight QB F2.0 hydrophilic strip is to be placed. When installing, ensure that the RASCOTight QB F2.0 hydrophilic strip is a few millimetres wider than the joint opening. Press the RASCOTight QB F2.0 hydrophilic strip manually into the joint so that rests firmly on the base. This firm base is important as it ensures that the subsequent swelling pressure acts mainly against the concrete. The same restraint must be provided when detailing the overlying construction or finish over the joint. For detailed installation instructions, please refer to the current installation manual.

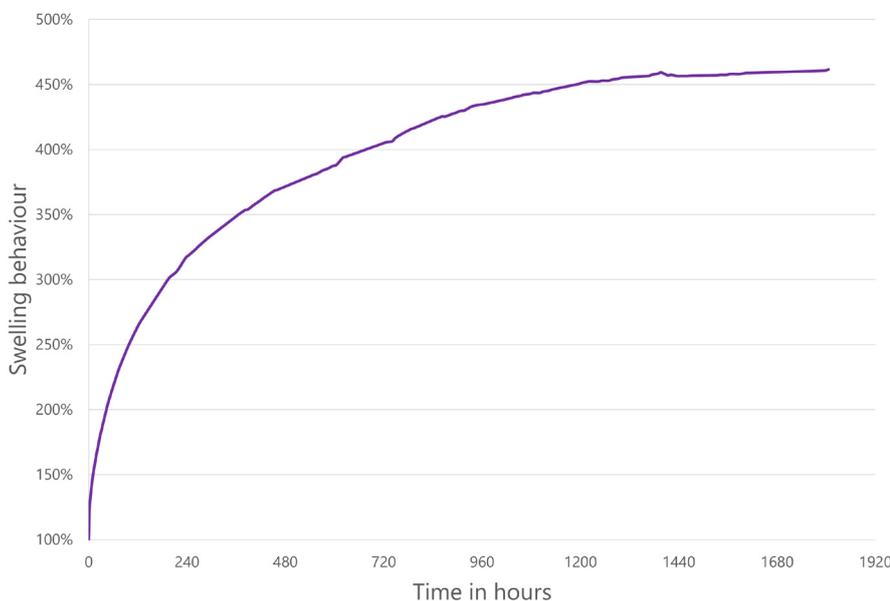
### GENERAL GUIDELINES / SAFETY NOTICE

The RASCOTight QB F2.0 hydrophilic strip shall not be allowed to come into contact with water prior to installation! RASCOTight QB F2.0 that has already swollen can no longer guarantee the envisaged waterproofing performance.

No special safety instructions are required.

### SWELLING BEHAVIOUR

The graph illustrates the swelling behaviour of RASCOTight QB F2.0, showing a volumetric increase of more than 460%.



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