



# RASCOTight Hydrophilic Tie Bolt Plug

## HYDROPHILIC SYSTEMS

### HYDROPHILIC PRODUCTS

RASCOTight hydrophilic products are made from self-swelling materials and 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 Hydrophilic Tie Bolt Plugs are plugs made from special acrylic polymers that swell upon contact with water.

### FEATURES

- swells upon contact with water
- reversible swelling
- very straightforward application



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 22mm diameter 23 mm
Colour	yellow
Supplied form	solid
Chemical base	acrylic polymers
Hazardous goods/ADR	none
Hydrostatic pressure	suitable for up to 1 bar
Storage/shelf life	12 months in original container, in dry conditions

## SUPPLY/ADDITIVES

Item no.	Product	Container	Contents
1107.2101.001	RASCOTight Hydrophilic Tie Bolt, length 22mm $\varnothing$ -23 mm	box	60 pcs
1107.2201.001	RASCOTight Hydrophilic Gasket, internal $\varnothing$ -26 mm	pack	40 pcs
1107.2202.001	RASCOTight Hydrophilic Gasket, internal $\varnothing$ -43 mm	pack	50 pcs

## APPLICATION/PREPARATION

To internally waterproof a formwork tie rod, a flupp plug (commercially available) is first driven at least 10 cm deep into the tie hole from the water-facing side. The RASCOTight Hydrophilic Tie Bolt Plug is then pressed into the tie hole to a depth of approximately 8 cm. The formwork tie rod is subsequently waterproofed using the RASCOTight Hydrophilic Gasket.

## GENERAL GUIDELINES / SAFETY NOTICE

To prevent premature swelling, RASCOTight Hydrophilic Gasket shall be stored in dry conditions and shall not be exposed to the weather for a longer period prior to casting. The system is suitable for both plastics and fibre-cement tie bolts. Care shall be taken to ensure that the hydrophilic gaskets are not dislodged when pouring concrete for high walls.

No special safety instructions are required.

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