



TECHNICAL DATA SHEET

RASCOflex GT551

RASCOflex GT551 is a polyurethane-based injection grout for 1-component application which foams heavily upon contact with water. It is used for halting water infiltration and for the ductile injection of wet or water-bearing (flowing water) cracks in tunnelling and special geotechnical works.



USE

RASCOflex GT551 is suitable wherever a waterproof barrier against hydrostatic pressure or the ductile waterproofing of wet or water-bearing (flowing water) cracks is required. The resulting partly closed-cell foam is flexible and tear-resistant.

FEATURES

- gel time/foaming start adjustable as required
- high foam factor
- solvent-, CFC- and chlorine-free
- chemical bonded catalyst
- noncommitted reaction
- constant, smooth foam

APPROVALS

- REACh-assessed exposure scenarios: water contact, periodic inhalation, application
- REACh-tested raw materials, classed as harmless

TECHNICAL / PHYSICAL DATA

	Comp	Cat	Mix
Supplied form	liquid	liquid	
Material colour	brownish	colourless	
Container type	canister	canister	
Container size	18 ltr/8,7 ltr	1,8 ltr/0,9 ltr	
Density (DIN EN ISO 2811)	1,15 kg/ltr (± 0,03)	1,02 kg/ltr (± 0,03)	
Viscosity (DIN EN ISO 3219)	290 - 450 mPas	600 - 800 mPas	
Hazardous goods/ADR	none	none	
Mixing ratio			10:1 (by volume)
Pressure-free expansion			30- to 40-fold
Foaming start			approx. 15 s after water contact
Foaming end			approx. 120 s after foaming start
Application temperature	+5° C to +40° C		
Storage/shelf life	12 months in original container, +10° C to +30° C, in dry, dark location		

APPLICATION

Prior to injection, RASCOflex GT551 Cat is added to RASCOflex GT551 Comp and resulting contents are thoroughly mixed. RASCOflex GT551 foams upon contact with water. RASCOflex GT551 is injected via packers using a manually operated, electric or pneumatic 1-component pump (injection packers, pumps and accessories are available on request). A clean base is essential for good adhesion of grout to face of crack or void. The minimum fabric temperature shall be +5° C. Prior to grouting, remove any skin that may have formed on material surface in holding container.

GENERAL GUIDANCE

Preliminary compatibility tests are strongly recommended where material is to come into contact with solvent-bearing grouting/coating polymers (polyurethane, epoxy resin etc.).

SAFETY NOTICE

Suitable protective clothing, gloves and goggles shall be worn. An eyewash bottle shall be kept at hand. For further details, please consult the safety data sheet.

SUPPLY / ADDITIVES

Item no.	Product	Container	Contents
1111.5511.003	RASCOflex GT551 Comp	Canister	18 ltr
1111.5511.004	RASCOflex GT551 Comp	Canister	8,7 ltr
1111.5512.005	RASCOflex GT551 Cat	Canister	1,8 ltr
1111.5512.006	RASCOflex GT551 Cat	Canister	0,9 ltr

Grouting machines, equipment and accessories available on request

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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