



TECHNICAL DATA SHEET

RASCOflex GT221

Injection grout for stabilization and waterproofing of soils ranging from fine sand to soft ground.

USE

RASCOflex GT221 is a 2-component injection grout, based on silicate and hardener, for the stabilization, consolidation and waterproofing of sandy and non-cohesive soils. RASCOflex GT221 is used for binding both contaminated sand layers and sand layers containing other mineral constituents.

FEATURES

- low viscosity allows wide permeation
- non-combustible
- no toxic constituents
- good environmental compatibility
- waterproof
- high adhesive strength
- adjustable gel time
- non-foaming

INJECTION METHOD

The sleeve pipe shall be placed in the sand or soil and RASCOflex GT221 injected at each sleeve position. The pump speed is crucial for injection. Injections in non-cohesive soils require the use of a standard proprietary 1-component piston pump, which pumps the mix into the ground via the sleeve pipe.



TECHNICAL/PHYSICAL DATA

	Comp	Cat (Activator)	Mix
Supplied form	liquid	liquid	
Material colour	colourless	white	
Container type	IBC	barrel	
Container size	1000,0 ltr	200,0 ltr	
Density at +20°C (DIN EN ISO 2811)			1.20 - 1,30 kg/ltr
Hazardous goods/ADR	none	none	
Mixing ratio	Component and activator dissolved in water		
Curing time			adjustable
pH value of mix at +20°C			ca. 11.3 pH
Viscosity of mix (DIN EN ISO 3219)			80 - 100 mPas
Application temperature	from +6°C to +50°C		
Storage/shelf life	12 months in original container at +15°C to +35°C, in dry conditions		

APPLICATION

The processing is normally carried out with the usual mixing and pumping equipment as used for cement injections. RASCOflex GT221 is supplied in ready-to-use condition. A concentrated activator is added for reaction, the quantity of which corresponds to the required processing times. Approximate value at 21°C with 10% Activator equal to approx. 1 h 40 min to start of gelation / with 20% Activator approx. 17 min to start of gelation.

Two-component processing must be specified when ordering the material. This can also be used as a single component, but results in a larger material volume. With two-component processing, the mixture is mixed 1:1 in volume.

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/ADDITIVE

Item no.	Product	Container	Contents
1111.2211.002	RASCOflex GT221 Comp	IBC	1000,0 ltr
1111.2212.002	RASCOflex GT221 Cat (Activator)	Barrel	200,0 ltr

Grouting machines, equipment and accessories available on request

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2 | 2

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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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