



TECHNICAL DATA SHEET

RASCOflex GT781

RASCOflex GT781 is a two-component, hydrophobic PUR injection foam based on MDI. It is solvent- and phthalate-free and has a low temperature profile.

USE

RASCOflex GT781 is used as a two-component polyurethane injection foam for stabilization of foundation, strata, soil consolidation, raising sunken slabs and pavements, void filling, consolidation of fractured rock and coal (penetrates cracks > 0.15 mm) and underpinning. In order to obtain the best results it is advised to use RASCOflex GT781 at the temperature range from 5°C to 40°C.

FEATURES

- rigid foam of controlled foaming rate between 2.5 and 3.0
- resistance to wide range of chemicals
- environmentally safe
- no modification of product is needed



TECHNICAL/PHYSICAL DATA

	Component A	Component B	Mix A:B
Supplied form	liquid	liquid	
Material colour	clear to yellowish	brown	brownish
Container type	metal canister	metal canister	
Container size	19,8 ltr/20 kg	19,8 ltr/24,3 kg	
Viscosity at 23° C	370 - 470 mPas	200 - 300 mPas	300 - 400 mPas
Density at 23° C	1,01 kg/ltr (± 0,04)	1,23 kg/ltr (± 0,04)	
Flash point	> 180° C	> 100° C	>180° C
Hazardous goods/ADR	none	none	
Mixing ratio			1:1 (A:B)
Pressure-free expansion			3-fold
Foaming start at 23° C			45s (±10s)
Foaming end at 23° C			70s (±10s)
Application temperature			from 5° C to 40° C
Storage/shelf life	12 months in original container, from +10° C to +30° C, in dry conditions		

APPLICATION

Inject the mixture only with a two-component injection pump. The moisture from the strata will cause the foaming reaction with only limited expansion due to hydrophobicity of the liquid material. The reaction time depends on the temperature either in the soil or the product itself. Please keep in mind that in any temperature condition CO₂ liberation causing pressure caused by expansion of polyurethane!

Material has to be conditioned to appropriate temperatures for at least 12 hours prior to application.

Caution: Circulating RASCOflex GT781 Component A through the pump and pipe on the A side after injection is advisable. Component A can stay in pump for many days. Component A can be used for flushing mixing head or static mixer after injection.

CLEANING TOOLS

The pump and line of Component B must be thoroughly cleaned with GG-PUR Cleaner and preserved with flushing oil through pumping it through the pump. Curing process might take place with residual product left in the pump and injection line with the air humidity.

SAFETY NOTICE

RASCOflex GT781 is non-hazardous in its cured condition. Always use protective clothing, safety goggles and gloves. Avoid contact with eyes and skin. Do not breathe vapours. If contamination occurs rinse thoroughly irritated skin and eyes with water and consult with doctor. When handling do not eat, smoke and work with open fire. Handle in accordance with good occupational hygiene and safety practices.

Not reacted mixture should not be disposed of except to special sites. It is advised to let the product react with water to form foam and afterwards dispose on landfill.

SUPPLY/ADDITIVE

Item no.	Product	Container	Contents
1111.7811.001	RASCOflex GT781 A-Comp	canister	19,8 ltr
1111.7812.001	RASCOflex GT781 B-Comp	canister	19,8 ltr
1111.1101.001	RASCOflex GT-AC PU	canister	4,8 ltr
1111.1105.001	RASCOflex GT-THIX PU	canister	4,9 ltr
1111.1108.001	RASCOflex GT-FO PU	canister	4,9 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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