

RASCOflex GT761

POLYURETHANE SPRAY FOAM

POLYURETHANE SPRAY PRODUCTS

RASCOflex GT761 is a two-component polyurethane system, specifically developed to produce an open-cell and semi-rigid foam. RASCOflex GT761 is notable for its flexibility and versatility in applications. Due to the material's chemically induced foaming action, the final foam body achieves a rigid, open-cell, permanently stable form.

Eco-friendly and freon-free, RASCOflex GT761 foams up through reaction of components A and B, establishing itself as a highly sustainable product.

This product undergoes rigorous material testing, with a particular focus on environmental compatibility.

USE

The key features of RASCOflex GT761 are its extremely short reaction time and instant high foam factor allowing application to close horizontal or vertical openings and voids, protect structures against mechanical impact or to balance out uneven surfaces.

RASCOflex GT761 is a polyurethane sprayfoam resin for the insulation and consolidation of dry to water-bearing soft ground, rock, concrete and masonry, etc. Its very short reaction time, relatively high viscosity and foaming reaction behaviour make it ideal for void filling. Applications include sealing against temporary gas ingress in excavations, tunnels and hydraulic structures.

FEATURES

- spray gun application
- easy processing
- fast and high foaming properties
- high efficiency
- very good dimensional stability
- freon-free
- free from odour
- non-flammable
- self-extinguishing

APPROVALS

- approvals on request

EXPERT REPORTS

- reports 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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TECHNICAL/PHYSICAL DATA

| | A-Comp | B-Comp |
|-----------------------------|----------------------|--------------------|
| Supplied form | liquid | liquid |
| Material colour | clear, yellowish | brown |
| Container type | politainer | politainer |
| Standard container size* | 10 ltr / 11 kg | 10 ltr / 12,3 kg |
| Density (DIN EN ISO 2811) | 1,10 kg/ltr (± 0,03) | 1,23 kg/l (± 0,04) |
| Viscosity (DIN EN ISO 3219) | 350 - 550 mPas | 150 - 350 mPas |
| Hazardous goods/ADR | none | none |

*Filling is controlled by weight balance. Volume details are indicative only and vary with temperature fluctuations.

Mix (ready-to-use)

| | |
|------------------------|---|
| Mixing ratio | 1:1 (by volume) |
| Foaming start at 25 °C | approx. 4 s |
| Tack-free at 25 °C | approx. 13 s |
| Substrate temperature | minimum 5 °C |
| Storage/shelf life | 12 months, in original container at +10 °C to +25 °C, in dry conditions |

Foam Properties

| | |
|---|--------------------------|
| Apparent core density | 7 – 10 kg/m ³ |
| Foam factor | >50 fold |
| Contents of closed cells | ≤ 20 % |
| Combustibility class (DIN EN 13501-1) | E |
| Absorbability by short-lasting drowning | < 11 kg/m ² |
| Water vapour permeability coefficient μ | 5 |
| Stress at deformation of 10% | 5,5 kPa |

The technical details are based on laboratory values from external and/or internal laboratory tests. These details are for information purposes only. The exact product values and their tolerances (e.g. temperature fluctuations ± 2 °C) are verified and approved on the basis of the test guidelines.

FORM

| Item no | Product | Container | Contents |
|---------------|---|------------|----------|
| 1111.7611.002 | RASCOflex GT761 A-Comp | politainer | 11,0 kg |
| 1111.7612.002 | RASCOflex GT761 B-Comp | politainer | 12,3 kg |
| 1801.0491.001 | Easy Connect Verschluss (-Politainer 10 ltr.) | - | 1 pcs |
| 1201.0602.001 | UDC Kupplung | - | 5 pcs |

Grouting machines, equipment and accessories available on request

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APPLICATION/PREPARATION

The A and B components of RASCOflex GT761 are supplied in exact, ready-to-use volumetric proportions. Application is performed using a high-pressure spray unit. The individual components are transported separately in a 1:1 volumetric ratio to a dynamic mixer located directly at the application site. During transport to the mixer, the materials are heated to a predefined temperature. After mixing, the components react to form a rigid, open-cell foam.

GENERAL GUIDELINES / SAFETY NOTICE

The reaction and curing times of RASCOflex GT761 are temperature-dependent. The reaction between the components is significantly influenced by ambient, substrate, and material application temperatures. Material must not be applied under 5°C temperature.

CLEANING OF WORKING EQUIPMENT

As the foaming product reacts with water, no parts of the working equipment shall under any circumstances be cleaned with aqueous cleaning agents. Machine oil or, in particular cases, organic water-free rinsing or cleaning agents are recommended for cleaning all equipment and accessories that have come into contact with the foam. Please consult the manufacturer's instructions for the relevant pumps and equipment.

DISPOSAL

For details on how to dispose of the individual components, please consult the product safety data sheet. Cured material, in moderate quantities, may be disposed of with normal domestic waste.