

# Elastopack 201

2-component, phthalate free, hydrophobic, flexible polyurethane grout for sealing dry to moist cracks and joints with a non-expanding grout in concrete and masonry structures. Elastopack 201 can be injected or poured

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## Product Description

Elastopack 201 is a 2-component, phthalate free, injection grout consisting of a resin and a hardener, which are injected as 1-component system after mixing. After curing, the grout will become a dense and elastic material.

Elastopack is packed in pre-weighted sets composed of:

- A-component : polyol blend.
- B-component : di-isocyanate hardener.
- Mixing ratio A/B : 2/1 volumetric.

## Product Advantages

- ADR free transport
- Phthalate free resin, REACH compliant
- Packed as a complete pre-weighted set
- Solvent free
- Non-flammable
- Good flexibility
- Low viscosity, fast and deep penetration
- User friendly: Easy to use 2/1 volumetric mixing ratio, used as 1-component product after mixing
- Cured resin has a very good all-round chemical resistance(\*)

(\*) For chemical resistances please contact your GCP representative.

## Field of Application

- Sealing of moving or non-moving cracks in concrete or masonry structures.
- Sealing of dry to moist cracks in concrete or masonry structures.
- Sealing of hairline cracks where other resins cannot penetrate.
- Filling of voids which can be subject to movement.
- Filling of joints between horizontal concrete slabs by pouring or pumping.

## Technical Data/Properties

PROPERTY	VALUE		NORM
	Component A	Component B	
Solids	100%	100%	EN ISO 3251
Viscosity at 25 °C (mPas)	Approx. 130	Approx. 150	EN ISO 3219
Density (kg/dm <sup>3</sup> )	Approx. 0.975	Approx. 1.230	EN ISO 2811
Flash Point (°C)	> 140	> 160	EN ISO 2719
Mixed product			
Cured with HA Cut CFL AF			
Mix viscosity (mPas)			
	Approx. 435		EN ISO 3219
● at 8 °C	Approx. 160		
● at 25 °C			
Pot life (min)			
	Approx. 120'		EN ISO 9514
● at 8 °C	Approx. 45'		
● at 25 °C			
Cured			
Tensile strength (MPa)	Approx. 3.5		EN ISO 527
Elongation	Approx. 115 %		EN ISO 527
Adhesion to dry concrete (MPa)	Approx. 3.1		EN 1542
Hardness Shore A	Approx. 65		EN ISO/R868

(\*) Typical values – all tests were made under conditioned temperature of 21 °C.

## Application

### 1. Preparation

- To improve adhesion of the resin to the surface, the surface needs to be sound, clean and free from dust, debris, grease, oils and laitance.
- Low temperature conditions will significantly increase the viscosity and the reaction time of the products. To minimize this effect, store the product at room temperature for a minimum of 24 hours before use.
- Add the complete contents of the A-component to the B-component. Mix thoroughly with a mechanical mixer at moderate speed (500 rpm). Shake A-component thoroughly before adding to B-component.
- Do not pre-mix more material than can be used within the pot life of the product.

## 2. Injection

- The product is used as a 1-component product after pre-mixing in a 2/1 volumetric ratio.
- The product can be injected or poured into the joint, void or crack to be filled as a 1-component system. Standard 1-component hand pumps or electrical airless diaphragm pumps can be used.
- All pumps and equipment should be cleaned immediately after use with Washing Agent to prevent the material from gelling or curing inside the injection equipment.

## Appearance

A-component: Yellow transparent liquid

B-component: Dark brown liquid

## Consumption

Has to be estimated by the engineer or operator and depends on width and depth of the cracks and voids, which need to be filled.

## Packaging

### 3L set

A-component: 2L plastic pail in cardboard box

B-component: 1L metal drum in cardboard box

1 box = 5 x 2L A-component

1 box = 10 x 1L B-component

### 1 pallet

18 boxes A-component

9 boxes B-component

Total 90 sets (270L)

### 15L set

A-component: 10L plastic jerry can

B-component: 5L metal drum

### 1 pallet

30 x 10L A-component

30 x 5L B-component

Total 30 sets (450L)

## Storage

Elastopack 201 should be stored in a dry area, free from ground. Storage temperature must be between 5 °C and 30 °C. Once the packaging has been opened, the useful life of the material is greatly reduced and should be used as soon as possible.

Shelf life: 2 years.

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