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

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/dm3)	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)			
• at 8 °C • at 25 °C	Approx. 435 Approx. 160		EN ISO 3219
Pot life (min)			
• at 8 °C • at 25 °C	Approx. 120' Approx. 45'		EN ISO 9514
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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gcpat.sg/solutions/products/de-neef-waterproofing-injection-solutions/elastopack-201