

# EUCOGROUT EP V

## EPOXY GROUT - 4 TO 40 MM

### FIELD OF APPLICATION

EUCOGROUT EP V is an epoxy grout for the structural grouting of machine bases, rails and other applications where high compressive strengths are required very quickly. The casting grout is extremely suitable for pouring high-tech machines that have to function vibration-free. Can be cast in layer thicknesses of 4 to 40 mm in one operation.

### BENEFITS & FEATURES

- Vibration absorbing
- High pressure and impact resistance.
- Very high chemical resistance.
- Shrink-free.
- Liquid proof
- Can be painted.
- Very high spreading ratio and special flow properties.
- Low reaction temperature.
- Moisture resistant curing

### APPLICATION

#### Application conditions

EUCOGROUT EP V must be stored between +15 and +25°C, approximately 24 hours before application. The surface, the ambient temperature and the temperature of the equipment to be used must be between +15°C and +30°C. Never work with or allow to harden below +10°C  
Ambient humidity: max. 85%.  
Substrate moisture content: < 5% (weight percent).  
Compressive strength of the substrate: min. 25 N/mm<sup>2</sup>  
Tensile strength of the substrate: min. 1.5 N/mm<sup>2</sup>  
Dew point before and during application and during curing: The temperature of the substrate must be +3°C higher than the dew point.

#### Tools & complementary products

- Mixer with spindle.
- Clean mixing containers.
- Formwork equipment. (Depending on the application)
- EUCOSOLV MEK

#### Preparations

The surface to be treated must be dry (moisture content <5%) and must be free of free standing water. Make cracks, joints and other parts showing water leaks completely water and leak proof with the EUCOCHEM BV EUCOINJECT injection resins. Existing screeds and concrete surfaces must be at least 28 days old.  
Remove loose, poorly adhering or insufficiently load-bearing parts mechanically. The surface must be free of dirt, grease, release agent, grease, old, demoulding oil, cement skin, old paint layers that do not adhere well, coatings, synthetic resin layers, adhesives, bitumen, ... or other matters that can adversely influence the adhesion.  
Always use clean equipment and clean mixing containers.  
Provide a formwork that is at least 5 cm higher than the envisaged casting height. Minimum casting height is 4 mm and for larger flow distances 1 cm. The formwork must be sturdy and well closed.

Depending on the application, it is sometimes necessary to provide a pouring opening of at least 5 cm wide. Make sure there is a vent opening of at least 1 cm on the opposite side. If possible, first coat metal parts that come into contact with the product with a suitable primer.

#### Preparation of the product

Stir the A- component homogeneously before use. Then add the full amount of B- component and mix mechanically (300tr) until both components are homogeneous. Process EUCOGROUT EP V within 30 min. after mixing.

#### Application of the product

Pour the mixture, in one go and without interruption, onto the area to be treated. When applying on a non-flat surface, pour from the largest to the smallest layer thickness to be poured.  
(In some applications: Pour the mixture in one go through the provided pouring hole without interruption. Make sure that the vent opening is clear.) Stop filling when the mortar reaches 1 centimetre above the final level. Check the level after 15 minutes. Top up if necessary.

#### Finishing

After 24 hours, EUCOGROUT EP V can be lightly sanded down to the visible granulate. Make the surface to be painted completely dust-free after sanding. After this you can paint.

#### Cleaning of the tools

Clean the used equipment with EUCOSOLV MEK. Cured product residue must be removed mechanically.

### MAINTENANCE AFTER APPLICATION

Does not apply.

### TECHNICAL DATA

#### Consumption

1,4 kg/dm<sup>3</sup>  
or 1.4 kg/m<sup>2</sup>/mm layer thickness.

#### Technical data & reaction times

Property	Value
Basic raw material	A-component: Modified epoxy resin with filler and additives B-component: Polyamine hardener
Density	1,4 kg/dm <sup>3</sup>
Pressure resistance	> 100 N/mm <sup>2</sup> .
Flexural strength	> 25 N/mm <sup>2</sup> .
E modulus	3 kN/mm <sup>2</sup> .
Tensile strength	> 25 N/mm <sup>2</sup> .
Adhesion onto concrete: Adhesion onto metal:	5 N/mm <sup>2</sup> . 1,5 to 8N/mm <sup>2</sup> (depending on the preparation)
Heat resistance	60°C continuously
Layer thickness	4 mm - 40 mm
Processing time:	30 minutes at 20°C
Curing	Shrink-free.
Colour	Dark grey / green

Processing time: 30 min.

Can be mechanically loaded: after 48 hours (layer thickness 10 mm)

Full chemical resistance: after 7 days.

\*Values measured at 20°C

### Chemical resistances

Excellent chemical resistance against alkalis, petroleum derivatives, battery acid, diluted organic acids, salts and solutions.

For more information, please contact EUCCHEM

### Additional documentation & referrals

Always consult all technical data sheets and material safety data sheets of the products to be used. Always work with clean tools in good condition.

## APPEARANCE - COMPOSITION - PACKAGING

EUCOGROUT EP V is available as follows:

5 kg set:

Comp A: 3,75 kg

Comp B: 1,25 kg

30 kg set:

Comp A: 22,50 kg

Comp B: 7,50 kg

EUCOGROUT EP V can be stored in its original, unopened packaging and in a dry room. Do not store in direct sunlight and between +10°C and +30°C. It has a shelf life of 24 months after production date, provided it is stored under the conditions described above.

### ADDITIONAL COMMENTS

For special applications it is advisable to consult your EUCCHEM BV representative.

### SAFETY PRECAUTIONS

Always use personal protection in accordance with the local guidelines. Consult the appropriate safety sheets before use. All most recent safety data sheets are always available at [www.eucochem.com](http://www.eucochem.com). When in doubt, contact our technical service.

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