TDS

VIBROX

Epoxy casting mortar 4 to 40mm

USAGE

VIBROX is a fluid mortar for constructively filling under machine bases, rails and other items requiring casting where a fast high compressive strength is required.

VIBROX is ideally suited for the casting of high-tech machines that have to operate vibration-free.

Can be poured in a layer thickness of 4 to 40mm in one step.

CHEMICAL RESISTANCE

VIBROX has an excellent chemical resistance to alkalis, petroleum derivatives, acid, diluted organic acids, salts and solutions.

PROPERTIES

- Very high spread size
- Low reaction temperature
- Non-shrinking
- High pressure resistance
- High impact resistance
- Moisture-insensitive hardening
- Impermeable
- High chemical resistance

PROCESSING

• Preparing the application surface

Make sure the surface is clean. The recommended processing temperature for the surface, the surroundings and the material is 15 to 25°C. Do not use below 10°C.

• Casting formwork

The minimum pouring height is 4mm, for larger flow distances 1cm.
The formwork should be sturdy and well balanced. The pouring opening must be at least 5cm wide. Make sure there is a vent hole of 1cm on the opposite side. For a non-flat surface, pour from the largest layer thickness to the smallest.
The formwork must be 5cm higher than the pouring height.

• Mixing

Stir the base (component A) evenly before use. Add the full amount of hardener (component B) and mix mechanically (300 rev/min) until both components are homogeneous.

• Application

Pour the mortar through the pouring opening in one go without stopping. Make sure that the vent hole is open. Stop filling when the mortar is 1cm from the top level.
Check the level after 15 minutes. Add more if necessary.

Use mixed mortar as quickly as possible.

• Finishing

VIBROX can be painted. The cured mortar must be sanded to the filler before you apply paint or a coating.

• Use

Mechanical resistance after 48 hours for a layer thickness of 10mm.
Complete chemical resistance after 7 days at 20°C.

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PACKAGING

VIBROX	Comp A	Comp B
Set 5kg	3.75kg	1.25kg
Set 30kg	22.50kg	7.50kg

TECHNICAL SPECIFICATIONS

Specific mass	1.4kg/dm³
Colour	Grey-green
Surface	Smooth
Pressure resistance	>100N/mm²
Flexural strength	>25N/mm²
E-modulus	3 kN/mm²
Tensile strength	>25N/mm²
Adhesion to concrete	5N/mm²
Adhesion to metal	1.5 to 8N/mm² dependent on the pre-treatment
Heat resistance	60°C continuous
Layer thickness	4mm to 40mm
Application temperature Minimum curing temperature	+15°C to+25°C +10°C
Processing time	30 minutes at 20°C
Hardening time at 20°C	Can be mechanically loaded 48 days Can be chemically loaded 7 days
Curing	Non-shrinking
Shelf life	24 months

CE CERTIFICATE

CE

0749-CPD

Resiplast NV, Gulkenrodestraat 3, B-2160 Wommelgem

13
BC2-563-4714-0002-001

EN 1504-3
Concrete repair product for structural repairs based on polymers.

Compressive strength	class R4 (>105Mpa)
Chloride ion content	<0.05%
Adhesion strength	≥2Mpa (>4Mpa)
Carbonation resistance	satisfactory
E-modulus	>2900N/mm²
Thermal compatibility part I	Class R4
Capillary absorption	<0.5kg.m^{-2}.h$^{-0.5}$
Fire resistance	NPD
Dangerous substances	Complies with 5.4

USAGE

1.4kg VIBROX per litre of mortar.

APPEARANCE

A-component	Modified epoxy resin with filler and additives.
B-component	Polyamine hardener
Colour	Green, grey-green

YOU WILL NEED TO SUPPLY

- Cleaning solvent for tools: MEK SOLVENT

STORAGE

Store VIBROX in a dry, well ventilated storage area between 5 and 35°C. 24 months shelf life.

If in doubt, contact RESIPLAST NV and provide the batch number on the package. Do not let the product get in contact with ground water, surface water or sewage systems. Dispose of contaminated packaging and remnants according to legal regulations.

SAFETY

Carefully read the safety instructions before using VIBROX. Products have a characteristic odour when being applied. Ensure there is sufficient ventilation, stay away from ignition sources and do not smoke. Avoid contact with skin. Eye irritation and/or sensitivity may occur during heavy vapour concentrations, inhalation and/or skin contact. Do not keep food products (food, beverages) in the same workspace. Always wear personal protective equipment according to local guidelines and regulations. Gloves and safety goggles are mandatory.

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