

VIBROX XL (100.675)

EPoxy CASTING MORTAR 3 CM TO 50 CM



DESCRIPTION

VIBROX XL is a fluid mortar for constructively filling machine bases and large volumes.

BENEFITS

- Large layer thicknesses in a single application
- High mechanical resistance
- Can be applied inside and outside
- High impact resistance
- Moisture-insensitive hardening
- Impermeable
- High chemical resistance

FIELD OF APPLICATION

The casting mortar is suitable for layer thicknesses of 3 cm to 50 cm in a single application.

APPLICATION

REQUIRED TOOLS

Mixing bucket

PREPARATION OF THE SUBSTRATE

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

PREPARATION OF THE PRODUCT

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. Slowly add the filler component to the mix. Mix until homogeneous.

PREPARATION OF THE EQUIPMENT

Always work with clean mixing containers and application material.

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 1 cm from the top level.

Check the level after 15 minutes. Add more if necessary. Use mixed mortar as quickly as possible.

FINISHING

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

COMPLIMENTARY PRODUCTS

Cleaning solvent for tools: MEK SOLVENT

TECHNICAL DATA

APPEARANCE - COMPOSITION

A-component	Modified epoxy resins
B-component	Polyamine hardener
C-component	Dry filler
Colour	Sand colour

REACTION TIMES

Mechanical resistance after 12 hours for a layer thickness of 10 cm. Complete chemical resistance after 7 days at 20 °C.

CONSUMPTION

2 kg VIBROX per litre of mortar.


TECHNICAL DATA

Specific mass	2.0 kg/dm ³
Colour	Sand colour
Surface	Non-slip surface
Pressure resistance	76 MPa
Flexural strength	>25 N/mm ²
Tensile strength	>6 N/mm ²
Adhesion to concrete	2.6 N/mm ²
E-modulus	1300 N/mm ²
Heat resistance	60 °C
Optimal layer thickness	From 30 mm. 40 mm – more than 500 mm
Min. application temperature Min. hardening temperature	+10 °C +10 °C
Pot life	approx. 25 minutes at 20 °C
Hardening time at 20 °C	Can be mechanically loaded 24 hours Can be chemically loaded 7 days
Curing	Non-shrinking
Shelf life	24 months

CHEMICAL RESISTANCES

VIBROX XL has an excellent chemical resistance to alkalis, petroleum derivatives, acid, diluted organic acids, salts and solutions. For more information please contact RESIPLAST NV.

CE MARKING

	
0749	
Resiplast NV, Gulkenrodestraat 3, 2160 Wommelgem, Belgium	
13 0749-CPR-BC2-563-4714-0002-001	
EN 1504-3 : 2005 Protection and repair of concrete structures – Structural and non-structural repair – PC mortar	
Compressive strength	Class R4
Chloride ion content	<0.05%
Adhesion strength	≥2.0 MPa
Carbonation resistance	Pass
E-modulus	13.6 GPa
Thermal compatibility, Freeze-Thaw	≥2.0 MPa
Capillary absorption	<0.5 kg .m ⁻² .h ^{0.5}
FReaction to fire	E _{FL}
Dangerous substances	Complies with 5.4
DoP N°: DOP03VBX02S3	

REFERENCE DOCUMENTS



PACKAGING

VIBROX XL	Comp A	Comp B	Comp C
Set 23 kg	2.26 kg	1.01 kg	19.73 kg
Set 69 kg	6.78 kg	3.03 kg	19.73 kg x3

STORAGE AND SHELF LIFE

Store VIBROX XL in a dry, well ventilated storage area between 5 and 35 °C.

Shelf life: 24 month, C component unlimited 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 PRECAUTIONS

Carefully read the safety instructions before using VIBROX XL. 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.

The above information is provided in good faith, but without any guarantees. The application, use and processing of the products are beyond our control and are, as such, the sole responsibility of the user/processor. In the event that KorAC nv is still held liable for damages, then the claim will still be limited to the value of the goods delivered. We always aim to deliver consistently high quality goods. All values on this technical sheet are average values that result from tests carried out under laboratory conditions (20 °C and 50% RH). Values that are measured on the construction site may show a slight deviation since the environmental conditions, the application, and the way of processing our products are beyond our control. Do not add any products other than those indicated on the technical documentation. This version replaces all previous versions. Version 2.0 Date: 26 October 2023 10:42 am