

## Technical Data Sheet

33.06.221E – 07/06

### ® VULKODURIT Hard Rubber Mortar

#### Repair mortar for hard rubber lined components

##### Description

VULKODURIT hard rubber mortar is a repair mortar based on epoxy resins for use on hard rubber linings.

##### Fields of application

VULKODURIT hard rubber mortar is recommended for repair work on the interior hard rubber linings of tanks and ducts. It may also be used for the permanent bonding of hard rubber parts, such as clamping strips. Its application is contingent on the individual chemical and thermal stress conditions encountered.

##### Properties

VULKODURIT hard rubber mortar is characterised by its excellent adhesive strength to various substrates such as steel and hard rubber linings, as well as by its outstanding thermal resistance. A particular feature of this product is its high degree of resistance against inorganic, non-oxidising acids, alkaline solutions and salts.

##### Chemical resistance

Information on the chemical resistance properties will be furnished on request.

##### Substrate

Steel and hard rubber linings serve as substrates.

##### Surface Pretreatment

The substrate must be free from any impurities and separating substances. A roughening of the substrate prior to application is advisable.

##### Application

VULKODURIT hard rubber mortar is composed of the two-component mortar compound which is spread on the substrate and then smoothed out.

Mixing Ratio	Parts by weight (kg)	Parts by volume (l)
VULKODURIT hard rubber mortar paste A	100	2.0
VULKODURIT hard rubber mortar paste B	50	1.0

##### Pot Life

Temperature	VULKODURIT hard rubber mortar
15°C	~ 40 minutes
20°C	~ 30 minutes
30°C	~ 13 minutes

##### Consumption

approx. 1.3 kg/m<sup>2</sup> per mm thickness

##### Packing

The following standard quantities are available:

VULKOD. hard rubber mortar paste A	1 kg; 5 kg
VULKOD. hard rubber mortar paste B	0.5 kg; 2.5 kg

##### Storage

The products shall be stored in a cool and dry place. With a storage temperature of 20°C the minimum shelf life is as follows:

VULKODURIT hard rubber mortar paste A	12 months
VULKODURIT hard rubber mortar paste B	12 months

Higher temperatures will shorten the shelf-life of this products. The packaging drums are to be kept tightly shut and are to be resealed each time material has been removed. All liquid products are to be stored frost-free.

**Safety**

Adequate ventilation shall be provided during the execution of all work. Ventilation is compulsory for All work carried out in pits and closed rooms. All vapours that are produced during processing must be continuously suctioned off at floor or bottom level.

Only such amount of material effectively required to continue work is to be stored at the working place. The instructions for the prevention of fire and explosion are to be observed if required.

Please note and ensure that even smallest quantities of the individual components and/or

prepared mixtures are not allowed to reach the sewerage.

All regulations for the prevention of accidents stipulated by the employer's liability assurance association, the regulations for the prevention of accidents prescribed at the site of application and the TRGS 507 „Surface treatment in rooms and tanks“, as well as the safety precautions listed on the packing (label) required by the provisions of the Hazardous Materials Ordinance shall be adhered to. The operating instructions pursuant to § 14 GefStoffV as well as the EC safety data sheets are to be complied with.

Technical data	Test specification	Unit	Parameter
Density	DIN EN ISO 1183-1	g/cm <sup>3</sup>	1.3
Hardness	DIN 53505	Shore D	80 ± 5
Compressive strength	DIN EN ISO 604	MPa	75
Tensile strength	DIN EN ISO 527	MPa	30
Elongation at tear	DIN EN ISO 527	%	2.5
Adhesive strength	DIN EN 24624	MPa	≥ 6
Max. operating temperature		°C	100

The technical data contained herein represents the current state of our product knowledge and is intended to furnish general information regarding our products and their application spectrum. In view of the diversity and multitude of application possibilities, this data should be regarded solely as general information, which does not guarantee any specific properties and/or suitability of these products for each concrete case of application. Consequently, when ordering a product, please contact us for detailed information relative to the properties required for a specific application. Our technical service will, upon request, furnish a profile of characteristics for the concrete application without delay.

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