

## Technical Data Sheet

33.06.204E – 07/06

### ® VULKODURIT B Soft Rubber Mortar

#### Repair mortar for soft rubber lined structural components

##### Description

VULKODURIT B soft rubber mortar is a permanently elastic mortar based on a modified synthetic rubber.

##### Typical uses

VULKODURIT B soft rubber mortar is recommended for repair work on the interior rubber lining of tanks, pipelines as well as the transition areas from hard to soft rubber linings on flange sealing surfaces. Another field of application is for the permanent elastic sealing of joints and cracks, for example in the brick lining of tanks. Its use is conditional upon the individual chemical and thermal stress conditions encountered.

##### Properties

VULKODURIT B soft rubber mortar in conjunction with VULKODURIT B adhesive primer is characterised by its superior adhesiveness to various substrates such as steel, soft and hard rubber linings, acid-resistant ceramic, carbon bricks and structural components made of graphite. VULKODURIT B soft rubber mortar is permanently elastic and offers excellent resistance properties against inorganic non-oxidising acids, alkaline solutions and salts.

##### Chemical resistance

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

##### Substrate

The substrate may be either steel, rubber linings, ceramic, carbon bricks or structural components made of graphite.

##### Surface pretreatment

The substrate must be free of all impurities and any substances that may act as separating agents. A roughing of the substrate prior to application is recommended.

##### Application

VULKODURIT B soft rubber mortar is composed of the two-component VULKODURIT B adhesive primer and the two-component VULKODURIT B filler compound.

Apply the VULKODURIT B adhesive primer to the substrate and allow to dry. Then apply the VULKODURIT B filler compound, distributing it evenly and smoothing it down.

Mixing ratios	Parts by weight (kg)	Parts by volume (l)
<u>VULKODURIT adhesive primer</u>		
VULKODURIT B adhesive primer	100	2.00
KCH diluent 2	100	2.44
<u>VULKODURIT B filler compound</u>		
VULKODURIT B soft rubber mortar	100	2.00
VULKODURIT B hardener	5	0.11

##### Pot life

Temper.	Primer	Filler compound
15°C	~ 240 minutes	~ 40 minutes
20°C	~ 180 minutes	~ 30 minutes
30°C	~ 80 minutes	~ 13 minutes

##### Consumption

Primer: approx. 0.2 kg/m<sup>2</sup>  
 Filler Compound: approx. 1.3 kg/m<sup>2</sup> per mm thickness

##### Packing

The following standard quantities are available:

VULKODURIT B adhesive primer	1 kg
KCH diluent 2	1, 10 kg
VULKODURIT B soft rubber mortar	5 kg
VULKODURIT B hardener	0.25 kg

##### Storage

The products shall be stored in a cool and dry place. With a storage temperature of 23°C the minimum shelf life is as follows:

VULKODURIT B adhesive primer	6 months
KCH diluent 2	24 months
VULKODURIT B soft rubber mortar	6 months
VULKODURIT B hardener	6 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 A	75 ± 5
Tensile strength	DIN 53504	MPa	≥ 2
Elongation at tear	DIN 53504	%	≥ 200
Adhesive strength	DIN EN 24624	MPa	≥ 2
Max. operating temperature		°C	90

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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