

## Technical Data Sheet

33.06.259E – 07/06

### ® HAWOFERRAN R16

#### Repairing mortar for hard rubber lined components

##### Description

HAWOFERRAN R16 is a repairing mortar based on epoxy resins for use on hard rubber linings.

##### Typical uses

HAWOFERRAN R16 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

HAWOFERRAN R16 is characterized by its excellent adhesive strength to various substrates such as steel and hard rubber linings, as well as by its thermal resistance. A particular feature of this product is its high degree of resistance against inorganic, non-oxidizing acids, alkaline solutions and salts.

##### Chemical resistance

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

##### Substrate

Either steel or hard rubber linings may serve as substrate.

##### Surface pretreatment

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

##### Application

HAWOFERRAN R16 is composed of the two-component mortar compound which is spread on the substrate and then smoothed out.

Mixing ratios	Parts by weight (kg)	Parts by volume (l)
<u>HAWOFERRAN R16</u>		
Component A	100	2.00
Component B	75	1.57

##### Pot life

Temperature	HAWOFERRAN R16
20°C	~ 60 minutes

##### Consumption

approx. 1.35 kg/m<sup>2</sup> per mm thickness

##### Packing

The following standard quantities are available:

HAWOFERRAN R16 Component A	0.57 kg
HAWOFERRAN R16 Component B	0.43 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:

HAWOFERRAN R16 Component A	12 months
HAWOFERRAN R16 Component 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>	1.32 ± 0,02
Hardness	DIN 53505	Shore D	78 ± 5
Tensile strength	DIN EN ISO 527	MPa	≥ 20
Elongation at tear	DIN EN ISO 527	%	≥ 0.2
Adhesive strength	DIN EN 24624	MPa	≥ 4
Max. operating temperature		°C	80

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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