

## PRODUCT INFORMATION

### CHEMONIT HG DISC

#### PRODUCT DESCRIPTION

**CHEMONIT HG DISC** is a pre-vulcanised hard rubber disc fabricated from **CHEMONIT** hard rubber lining material.

#### FIELDS OF APPLICATION

Vessels lined on site by using **CHEMONIT** hard rubber linings must have a hard rubber lining on the flange faces. **CHEMONIT HG DISC** is also often applied at site if the vessel is lined with a self-vulcanizing or pre-vulcanized TIP TOP Rubber lining system. **CHEMONIT HG DISC** is applied to the flange faces.

#### FEATURES

- Strong resistance against mineral acids, bases, hydrous phases, organic chemicals
- High thermal stability (max. +110°C)
- Pre-vulcanised in the workshop to its final properties
- Application onto steel components

#### CHEMICAL RESISTANCE

Information on the chemical resistance properties is available upon request.

#### SUBSTRATE

Substrates are components made of non-ferrous metals, cast iron, non-alloyed or austenitic steel. Components to be rubber lined shall be designed and manufactured in accordance with EN 14879-1.

#### SURFACE PRE-TREATMENT

All surfaces to be rubber lined must be dry and free of contaminants. All contaminants, including non-visible detectable contaminants, must be removed in accordance with DIN TR 55684 or EN ISO 8502. Non-alloyed steel surfaces shall be abrasive blasted to "Near White Metal" in accordance with EN ISO 12944-4. A surface preparation degree of SA 2½ (SSPC-SP 10; NACE No. 2) as specified in EN ISO 8501-1 and a "medium (G)" roughness degree as specified in EN ISO 8503-2 must be achieved. A minimum surface profile of  $R_z \geq 60 \mu\text{m}$  is required.

#### ENVIRONMENTAL CONDITIONS

Throughout the rubber lining process, the temperatures of the substrate and rubber lining materials shall be maintained within the range specified by TIP TOP. All surfaces shall be maintained at a temperature at least 3K above the dew point in order to prevent condensation.

#### ADHESIVE SYSTEM

**CHEMONIT HG DISC** is bonded onto steel components by using **REMAFIX 111**.

#### APPLICATION

**CHEMONIT HG DISC** is cut to size with a jigsaw and ground completely (on both sides) using an angle grinder. Subsequently the **CHEMONIT HG DISC** is cleaned with **SOLVENT CF-CE**.

The **CHEMONIT HG DISC** is bonded to the flange facings using **REMAFIX 111**. The adhesive system is applied to the adhering side of the hard rubber plate as well as to the flange surface before the **CHEMONIT HG DISC** is applied to the flange facing.

#### CLEANING

Clean all equipment with **SOLVENT CF-CE** immediately after use.

#### VULCANISATION

Due to the already completed vulcanisation at the workshop, no further thermal treatment is longer necessary.

#### SPARK TEST

The spark test (holiday test) of new rubber linings is carried out according to EN 14879-4 by using a high voltage tester. For carrying out the spark test, only the high voltage testers of Elmed model Isotest II RT or P as well as the test pistols of Wegener model WEG 20 or 22 or 100 are allowed.

#### SAFETY MEASURES

The material safety data sheets of the individual components, the safety instructions on the packing (label) as well as the legal requirements for handling hazardous materials must be observed.

#### PACKING UNITS

The products are supplied in the following standard package sizes:

Product	Size	Article No.
<b>REMAFIX 111 COMP. A</b>	0.60 kg	525 1211
<b>REMAFIX 111 COMP. B</b>	0.40 kg	525 1221
<b>REMAFIX 111 COMP. A</b>	9 kg	525 1230
<b>REMAFIX 111 COMP. B</b>	6 kg	525 1240
<b>SOLVENT CF-CE</b>	10 l	595 9163



// ONE BRAND // ONE SOURCE // ONE SYSTEM

## CHEMONIT HG DISC

### DIMENSIONS

CHEMONIT HG DISC is supplied in the standard dimension 1.000 mm x 1.000 mm x > 4.5 mm.

### STORAGE

The products must be stored in a cool and dry place, away from direct sunlight. The rubber sheets must be stored free of pressure, best in the original packaging. The rubber sheets may not receive any pressure points. At the specified storage temperatures a shelf life of the products is given of at least for the following periods:

Product	Temperature	Shelf Life
CHEMONIT HG DISC	≤ +25°C	24 Months
REMAFIX 111 COMP. A & B	5 - 25°C	24 Months
SOLVENT CF-CE	5 - 25°C	60 Months

If the storage time is exceeded, the materials must be tested before use. Higher storage and transport temperatures will reduce the shelf life. The containers must be kept tightly closed. Liquid products must be stored frost-proof. In addition, the DIN 7716 must be observed.

Technical Data	Standard	Unit	Value
Hardness - Shore D	ISO 48-4 (ASTM D2240)	-	> 62 (ground)
Max. Surface Pressure	-	N/mm <sup>2</sup>	10
Temperature Range	-	°C	-20 up to +110

**Note:** The indicated temperatures are dependent on the present load and may vary

Information given in the fact sheet above corresponds to the current knowledge available to us regarding our products at the time of its drafting and is intended as a guideline for informational purposes. However, because of the multiple possibilities regarding possible applications, processing and on site conditions, any information given in the fact sheet above is not legally binding, in particular, without being limited to, such information shall not be interpreted as a warranty of merchantability or of fitness for a particular purpose. Customer therefore is advised to conduct its own testing or make an inquiry with our technical department before ordering. We reserve the right to change the product at any time, in particular, without being limited to, minor changes because of advancements in technology. If by way of exception, the information given in the fact sheet above is incorporated by reference into any contract concluded with us under German Law, such information, shall only be interpreted as determining the specific requirements of the contractual products as set out in § 434 BGB (German Civil Code) and shall not be interpreted as constituting a guarantee of condition.

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