

PRODUCT INFORMATION

CHEMONIT HG-DISC

General properties

CHEMONIT – HG-DISC is a hard rubber plate fabricated from Chemonit hard rubber lining material. The disc is pre-vulcanised in the workshop to its final properties.

The essential properties of the CHEMONIT hard rubber lining materials are its strong resistance against mineral acids, bases, hydrous phases, organic chemicals. The above mentioned lining material can be used from - 10 °C to + 100 °C.

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** are 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** are applied to the flange faces. **CHEMONIT – HG-DISC** allow for a surface pressure up to 10 N/mm².

Shelf life

The **CHEMONIT – HG-DISC** can be stored without any loss of quality for up to 24 months at 25 °C or below.

Application on steel

The **CHEMONIT – HG-DISC** are cut to the dimensions of the flanges and applied by using the Primer PR 304, Primer S 500-2 or Primer HG 2 and bonded with an epoxy based compound, e.g. our Hard Rubber Repairing Cement A + B to the primed steel surface. Please consult TIP TOP if other adhesives can be used to confirm the suitability.

The EN DIN standard 14879 have to be observed.

Spark test

The spark test (Holiday Test) is carried out according to the EN 14879-4. An earthed high-voltage spark tester Elmed-Isotest II RT or alternatively the Wegener AC Spark Tester WEG 20/22 must be used.

The test voltage has to be set as follows:

Lining material	Test voltage
CHEMONIT HG-DISC	5 KV/mm (max. 20 KV)

Mechanical - Physical Characteristics

Properties	UNIT	Standard	Value
Hardness	[Shore D]	DIN 53505 ASTM D 2240	62 - 83
Surface Pressure	[MPa]		≤ 10
Temperature of use	[C°]		≤100

The information given above is based on approved test results and represents statistical product data, which however does not necessarily guarantee the specific properties of the product. We reserve the right to changes to technical specifications without prior notice, provided these ensure technical improvement without major modifications to the product itself.

Availability and dimensions

CHEMONIT – HG-DISC are supplied on pallets.

Length [mm]	Width [mm]	Thickness [mm]
1.000	1.000	3
2.000	1.000	3
1.000	1.000	4
2.000	1.000	4
1.000	1.000	5
2.000	1.000	5
1.000	1.000	6
2.000	1.000	6

This data sheet is for informational purposes only. All data provided herein is based on in-depth research and testing, however no liability whatsoever can be assumed. Since we are constantly endeavouring to up-date and improve our products, we recommend noting the index and issue date indicated on this data sheet and to inquire as to whether any properties have changed in the interim. This Product Information Sheet replaces all prior issues. Please contact our Technical Consultant for detailed information in case of ambiguities.

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