

KÖRAFORM K 50 2 part casting compound

Description

Low viscosity, condensation crosslinking silicone casting compound

Key Features

- Low viscosity
- Hardness (Shore A 50)
- Convincing by reproduction and drawing exactness of the moulding
- Moulding of simple geometric parts

Use and Cure Information

Prior to processing stir well KÖRAFORM K 50 to distribute homogeneously the perhaps deposited fillers. To KÖRAFORM K 50 add KÖRAFORM B 132 at a mixing ratio of 100 : 3 according to weight and mix with a spatula or a mixer until the compound is homogeneous. With the mixing process the potlife during which KÖRAFORM K 50 is to be processed (casting or painting with a brush). The demoulding can be done after 12 hours.

For an absolutely bubble-free vulcanisate the mixed silicone has to be degassed using vacuum (max. 5 minutes at 10 - 20 mbar).

In case of moulding on difficult supports, e.g. glass the demoulding behaviour has to be checked in tests by yourself. A silicone free demoulding agent has to be applied in case of need.

Solvents and cleaning agents

For removing fresh mass KÖRASOLV GL must be applied. Residues in the stirring or casting vessel can be easily removed by letting them cure in order to scrape them off afterwards.

Storage

Stored at temperatures between 5 °C and 30 °C in tightly closed original containers KÖRAFORM K 50 can be processed for at least nine months (stir well before use). KÖRAFORM B 132 is processible for at least six months if stored at temperature between 5 °C and 30 °C in tightly closed original containers.

Health & Safety

Safety

Please observe our safety data sheets and the safety remarks on our container labels when handling our products. The dangerous goods regulations and the accident prevention regulations of the professional associations must be particularly observed. Keep the safety data sheet of the applied product at hand since it provides you with useful instructions for the safe use and disposal of the product as well as for actions to be taken in case of accidents.

Delivery units

KÖRAFORM K 50:

22 kg hobbock
10 kg pail

KÖRAFORM B 132:

0.5 kg PE bottle

Revision Date 29 Apr 2021

Revision No 1

Download Date 20 Oct 2021

Property

Uncured Product

Color A

White

Color B

Colourless /
yellowish

Cure Type

Condensation

De-mould Time / Full Cure
at 23°C/73°F

12 hrs

Density A

DIN 53 479

1.20

Density B

DIN 53 479

1.04

Mix Ratio By Weight

100:3

Pot Life mins at
23°C/73°F

100 mins

Viscosity A

Brookfield
HBTD

8000 cP

Viscosity B

Brookfield
HBTD

20 cP

Viscosity Mixed

Brookfield
HBTD

6000 cP

Cured Product

Standard climate DIN 50 014 - 23/50-2. Vulcanizate
tested after 7 days at room temperature

Elongation at Break

DIN 53 504, S
3 A

120 %

Hardness Shore A

DIN 53 505

50

Linear Shrinkage (%)

0.5 %

Tear Resistance (N/mm)

ASTM D 624,
Die B

3.0 N/mm / 17 ppi

Tensile Strength

DIN 53 504, S
3 A

2.3 N/mm² / 334
psi

Storage

Max Storage

30 °C / 86 °F

Temperature

Min Storage Temperature

5 °C / 41 °F

Shelf Life

9 mths

The content set out in the technical data sheet does not contain information upon which you should rely. It is provided for general information purposes only and does not constitute a product specification. You must obtain professional or specialist advice before taking any action based on the information provided in the technical data sheet.

CHT make reasonable efforts to ensure that information set out in the technical data sheet is complete, accurate, and up-to-date. CHT do not, however, make any representations, warranties or guarantees (whether express or implied) that information set out in the technical data sheet is complete, accurate, or up-to-date or that the product will be suitable for your requirements. You should carry out your own testing to determine the applicability of such information and whether the product will be suitable. CHT reserve the right to modify the technical data sheet at any time.

The CHT technical service department is available to offer further information and advice and should it be needed to look at modifying current products or custom formulate a new one to meet your specific requirements. Please contact the technical service department.

CHT Germany GmbH: Postfach 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany
Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, Homepage: www.cht.com / www.cht-silicones.com