

PRODUCT INFORMATION

CHEMOKITT C

Product Description

CHEMOKITT C is a three component, special high grade epoxy-based formulation designed for use as a screed for concrete. The formulation incorporates a distinctively designed hardening system, enabling the screed to be applied and to set satisfactorily in a damp atmosphere and in temperatures as low as +3°C.

CHEMOKITT C guarantees optimal adhesion qualities to the CHEMOLINE range of rubber grades, which are to be applied thereafter on to concrete substrates.

Field of Application

CHEMOKITT C is a specially modified trowelling compound to prepare concrete surfaces for rubber linings with TIP TOP soft rubber lining systems. The primer is applied in order to bind any loose dust and to increase the structural compressive properties of the concrete substrate.

The basic coat is applied to repair any faulty areas in the concrete substrate such as cracks, washouts, erosion, cavities, holes and on the other hand to generate a conductive substrate for the testing of porosity in the rubber lining.

Construction Specification

The concrete construction to be lined must be fabricated according to the EN 14879-1:2005. Cracks should be smaller than 0.2 mm.

Preparation

Appropriate steps are to be taken to ensure that the surfaces of the concrete are dry, oil and dust free and have a Tensile Strength of min. 1.5 N/mm² and a Compressive Strength of 25 N/mm². The remaining dampness in the concrete substrate should not exceed 4% (measurement depth 10 mm). It is recommended that the surfaces are mechanically treated by shot blasting, milling or grinding prior to coating.

Build-Up and Usage in the system

PRIMER :	COROFLAKE 68 Primer + Hardener No. 4	300 g/m ²
CHEMOKITT C:	COROFLAKE 68 Primer + Hardener No. 4	1000 g/m ²
	Carbon Filler	1400 g/m ²

All grades of the CHEMOLINE soft rubber linings can be applied to **CHEMOKITT C**. The build up and material consumptions of the adhesive system including primers is equivalent to the application to steel surfaces.

Mixing Ratio

COROFLAKE 68 Primer in weight ratio of 12 : 3,6 Resin to Hardener No.4, to be added together while mixing and mixed for a minimum of 3 minutes. The trowel applied coat of **CHEMOKITT C** should have a Resin/Hardener to Carbon Filler mixed weight proportion of 1 : 1.4 and should be mixed with a slow running mixer until a homogeneous paste is produced.

Application

It is important to refer to the Pot Life times during application. The object temperature should be minimum +10°C and max. +40°C and the ambient temperature should be at least 3 K above the Dew Point. The basic coat can be applied 12 hours (at 20° C) after the priming coat is completed and should be applied within one week. The primed substrate should be covered with a trowelled coat of about 1 – 2 mm thickness. The rubber lining can be applied earliest 8 hours after application of the basic coat and should be lined latest 1 week later. Any burrs of the hardened coat must be removed by grinding.

Pot Life

3 Std. (+ 10°C)

2 Std. (+ 20°C)

¾ Std. (+ 30°C)

Pot Life and Hardening times etc. (See above table) depend naturally on the climatic and environmental influences such as Ambient Temperature, Relative Humidity, Drying Conditions etc. The given times are therefore to be applied to in general, as the ideal times can only be determined at the time and in the particular environment and climatic conditions prevailing.

Technical Data

Colour:	grey / black
Temperature Resistance:	+ 60° C (wet)
Generic Type:	Epoxy Resin
Filler:	Carbon Filler
Surface Resistance R _{0E} :	< 1*10 ⁴ Ohm (DIN IEC 167)
Contact Resistance R _D :	< 1*10 ⁴ Ohm (DIN IEC 93)
Flash Point :	COROFLAKE 68 Primer: + 95° C Hardener No. 4: + 109° C
Hardness:	> 60 Shore D (2 days after hardening at 20°C; DIN 53504)
Bond Strength:	> 1,5 N/mm ² Concrete Break (DIN EN ISO 24624)
Peeling Strength CHEMOLINE 4 CN from CHEMOKITT C :	> 4 N/mm (DIN 53531)

The technical information provided in the foregoing is based on field tests and long-term practical experience. However, in view of the diversity of materials involved as well as the fact that the individual working conditions are beyond our control, we would recommend conducting a sufficient number of tests prior to actual use. No warranties, express or implied, are made with respect to these observations.

Available Packing Units

Product Description	Packing Units	Product-No.
Coroflake 68 Primer	12 kg.	590 0851
Hardener No.4	3,6 kg	590 0875
Carbon Filler	40 kg	590 9106

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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