

## PRODUCT INFORMATION

### REMAFIX C

#### PRODUCT DESCRIPTION

**REMAFIX C** is a four-component, gray-black coloured, conductive synthetic resin coating based on high quality epoxy resin. The specially formulated hardening system allows the filler to be moisture-tolerated and enables the curing even at low ambient temperatures down to +3°C.

**REMAFIX C** guarantees optimal adhesion performances to the **CHEMOLINE** range of rubber grades, which are to be applied thereafter onto the concrete substrates.

#### COATING LAYERS CONSUMPTION

The coating consists of two-component primer **COROFLAKE EP PRIMER** and three-component **REMAFIX C** screed with an approximate dry film thickness of 1 - 2 mm.

#### FIELDS OF APPLICATION

**REMAFIX C** is a specially modified mastic to prepare concrete surfaces for rubber linings with TIP TOP soft rubber lining systems. The primer improves the structural performance of the concrete and increases the adhesive strength of the mastic onto 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 form a conductive substrate for the holiday (pinhole) test.

The surfaces coated with **REMAFIX C** show excellent suitability for further rubber lining with the **CHEMOLINE** soft rubber linings. The build-up and material consumptions of the adhesive system including primers are equivalent to the application onto the steel surfaces.

#### FEATURES

- High bonding strength to concrete
- Excellent workability
- Electric conductivity

#### CHEMICAL RESISTANCE

Information on the chemical resistance properties is available upon request.

#### SUBSTRATE

Substrates are components made of concrete, screed or plaster. Components to be coated shall be designed and manufactured in accordance with EN 14879-1. In addition, DIN 1045 must also be observed.

#### SURFACE PRE-TREATMENT

Appropriate action shall be taken to prepare the concrete surfaces; dry and free of dust and free of contaminants such as oil or grease. The concrete shall have minimum tensile strength of 1.5 N/mm<sup>2</sup> and minimum compressive strength of 25 N/mm<sup>2</sup>. The residual moisture content must not exceed 4%.

#### ENVIRONMENTAL CONDITIONS

Throughout the coating process, the temperatures of the substrate and coating 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.

#### APPLICATION

The primer **COROFLAKE EP PRIMER** is applied to the substrate using an airless spray system or by rolling. Following the primer application the **REMAFIX C** screed should be applied uniformly with a smoothing trowel.

#### MIXING RATIO

The primer and coating components are supplied in pre-measured units so that weighing or measuring of the components is kept to a minimum. After the unit has been mixed it shall be used within the specified pot life. Pour **COROFLAKE EP PRIMER COMP. B** in the specified mixing ratio to **COROFLAKE EP PRIMER COMP. A** and mix thoroughly (about 3 min.). For the trowel applied **REMAFIX C** the resin-hardener mixture must be filled with **CARBON FILLER** in the specified mixing ratio. The stirring of the merged components should be at least 3 minutes and must result in a homogeneous mixture.

Primer	Parts by Weight	Parts by Volume
<b>COROFLAKE EP PRIMER COMP. A</b>	100	100
<b>COROFLAKE EP PRIMER COMP. B</b>	50	53,8

Coating	Parts by Weight	Parts by Volume
<b>COROFLAKE EP PRIMER COMP. A</b>	100	100
<b>COROFLAKE EP PRIMER COMP. B</b>	50	53,8
<b>CARBON FILLER</b>	240	459

#### CONSUMPTION

Layer	Coverage [g/m <sup>2</sup> ]
Primer	300 - 400
<b>REMAFIX C</b> (finished mixture)	ca. 1500*

\*Coverage for 1 mm

#### POT LIFE / WORKING TIME [min]

Product	15°C	20°C	30°C
<b>COROFLAKE EP PRIMER</b>	ca. 50	ca. 35	ca. 20
<b>REMAFIX C</b>	ca. 50	ca. 35	ca. 20

#### RECOAT TIME (20°C)

Product	Min. [h]	Max. [Days]
<b>COROFLAKE EP PRIMER</b>	ca. 12	ca. 7
<b>REMAFIX C</b>	ca. 8	ca. 7

#### CLEANING

Clean all equipment with **SOLVENT T-200** immediately after use.

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### 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.
CARBON FILLER	25 kg	590 9120
COROFLAKE EP PRIMER COMP. A	14 kg	590 1790
COROFLAKE EP PRIMER COMP. B	7 kg	590 1800
SOLVENT T-200	4 kg	590 0610
SOLVENT T-200	8 kg	590 0611

### STORAGE

The products must be stored in a cool and dry place, away from direct sunlight. At the specified storage temperatures a shelf life of the products is given of at least for the following periods:

Product	Temperature	Shelf Life
CARBON FILLER	-	24 Months
COROFLAKE EP PRIMER COMP. A	5 - 25°C	12 Months
COROFLAKE EP PRIMER COMP. B	5 - 25°C	12 Months
SOLVENT T-200	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
Resistance	DIN IEC 93	Ω	1 x 10 <sup>4</sup>
Hardness Shore D	DIN ISO 7619 (ASTM D2240)	-	> 60*
Min. Adhesion Strength Concrete	EN ISO 4624 (ASTM D7234)	N/mm <sup>2</sup>	1.5***

\* After 2 days curing time at +20°C \*\*\* Depending on the concrete strength

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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