

## PRODUCT INFORMATION

### CEMENT TC 5000 (BIIR)

#### Fields of application

**CEMENT TC 5000** is based on bromobutyl rubber and is exclusively used for the bonding of special un-vulcanised lining materials like **CHEMOLINE 4 A**, **CHEMOLINE 4 B**, **CHEMOLINE 5**, **CHEMOLINE 13**, and **CHEMOLINE 61** onto steel.

**CEMENT TC 5000** bonding system has to be used together with the special priming system **PRIMER PR 500-1** and **PRIMER S 500-2** or **PRIMER HG1** and **PRIMER HG2**.

The optimal adhesion to steel for the rubber lining systems **CHEMOLINE 4 B**, **CHEMOLINE 5** and **CHEMOLINE 13** is achieved after tempering with hot air, steam or hot water respectively at a temperature above 50 °C or alternatively by autoclave vulcanisation. In specific cases the media can be used for the vulcanisation. Please consult TIP TOP in case of necessity. **CHEMOLINE 4 A** and **CHEMOLINE 61** have to be vulcanised in an autoclave at higher temperatures.

#### Product Description

Polymer basis:	bromobutyl rubber (BIIR)
Solvent:	xylene
Colour:	black
Specific weight:	0.91 g/cm <sup>3</sup>
Classification:	flammable, harmful

#### Product Advantages

- Long pot life
- Very good tack
- Good workability
- High initial adhesive strength
- Economical consumption
- Good bonding strength
- Thermal stability (up to max. 100 °C)
- Excellent chemical resistance

#### Preparation

**CEMENT TC 5000** has to be stirred thoroughly before applying.

### Drying time \*

1 <sup>st</sup> Coat onto steel	minimum 4 hours maximum 14 days
2 <sup>nd</sup> Coat onto steel	minimum 1 hour maximum 4 hours
1 <sup>st</sup> Coat onto rubber sheet	minimum 1 hour maximum 2 hours

\* The contact life naturally always depends on climate and environmental influences such as ambient temperature, air humidity, ventilation etc. Therefore the times indicated are to be understood as guidelines only, the ideal time must be determined locally considering the corresponding climatic conditions.

### Number of coats with CEMENT TC 5000

Onto steel	2 coats
Onto rubber	1 coat

### Consumption per m<sup>2</sup> (for one coat)

Onto steel	200 g
Onto rubber	200 g

### Limits for the application of CEMENT TC 5000

Temperature range:	+ 10 °C to + 40 °C
Maximum relative humidity:	80 %

### Shelf Life

1 year when stored in unopened original containers under storing conditions in accordance with DIN 7716.

### Available Packing Units

Description	Contents	Product-No.
<b>CEMENT TC 5000</b>	4.5 kg	525 2389
<b>CEMENT TC 5000</b>	9 kg	525 2286
<b>CEMENT TC 5000</b>	200 l	525 2293

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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