

TC301 FOR DRY CONCRETE SURFACE

Temafloor AC102 Primer Temafloor AC501 Temafloor AC601 Clear or Temafloor AC610 Clear

Coating system TC301 is suitable for indoor floors that must withstand very heavy chemical and mechanical wear. For example, in storage facilities, laboratories, breweries, processing and pharmaceutical industries, and public premises.

Stress categories/durability according to PSK 2703	Tikkurila Industry code	Treatment
<p>Stress category BC5-Mec Very high mechanical stress or warm water stress, eg. constant heavy forklift traffic and high point load stress. Withstands stress from splashes of process chemicals < 30 °C. Warm water stress 20 - 60 °C. Coating appearance grade Ps2.</p>	<p>TC301 Temafloor AC102 Primer Temafloor AC501 Temafloor AC601 or AC610 Clear DFT</p>	<p>AY4000-D/GD3 1-2 coats 4000 µm <u>1 coat</u> 4000 µm</p>
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Marking of paint systems according to standard PSK 2703 e.g. TC301-PSK 2703/FS5.3 AY4000-D/GD3

COLOURS

The colour of the screed is determined by the sand used.

SURFACE PREPARATION**Preparation grade GD3 (PSK 2703)**

Remove oil, grease, chemicals and other impurities from the surface with a suitable method. Remove old coating and surface layer from the floor surface so that the coarse aggregate is exposed throughout. At day-work joints, expansion joints, floor gullies and corner reinforcements bevel the edges of concrete substrate slabs 30 to 70 mm for the entire length of the joint. Clean holes and cracks in the surface before coating and fill them with a filler screed compatible with the coating system.

APPLICATION CONDITIONS**Dry concrete surface TC301**

The relative humidity of the concrete should not exceed 97 %. The temperature of the ambient air, surface or coating should not fall below + 5 °C during application or drying. Relative humidity of air should not exceed 80 %.

APPLICATION**PRIMING**

Prime using Temafloor AC102 acrylic primer. Pour the primer mixture onto the floor and apply by the trowel or roller as much as is needed to impregnate the concrete surface. If necessary, repeat priming to get a non-porous surface. Subsequent treatment can be carried out after 30 min.

Scatter sand of grain size 0.4 - 0.8 mm on the fresh primer coat to ensure the screed adhesion and prohibit gliding of the screed.

PATCHING

Patch pot-holes and cracks with a mixture of unthinned Temafloor AC501 and dry, clean sand. Mixing ratio e.g. 1 part by volume of varnish mixture and 1-2 parts by volume of sand of grain size 0.5-1.2 mm.

SCREED

Pour the Temafloor AC501 mixture onto the floor. Apply by an adjustable trowel to the desired thickness. Knead the screeded surface by hands or use broadcasting technique.

LACQUERING

Topcoating can be carried out after the screed has cured. Topcoating can be carried out with Temafloor AC601 Clear or Temafloor AC610 Clear topcoat. Pour the varnish mixture onto the floor, spread with a rubber trowel and level with a roller.

PRODUCT INFORMATION

More detailed information in respective data sheets.

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The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

The product is intended for professional use only and shall only be used by professionals who have sufficient knowledge and expertise on the proper use of the product. The information above is advisory only. To the extent permitted by applicable law, we shall not approve of any liability for the conditions under which the product is being used or for the use or application of the product.

In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.