

TC171 FOR DRY CONCRETE SURFACE

Temafloor 400
Temafloor PU

TC271 FOR MOIST CONCRETE SURFACE

Temafloor 220W Primer
Temafloor PU

Coating systems TC171 / 271 are suitable for new and old concrete floors exposed to heavy chemical and mechanical stress in production facilities of wood and chemical industry. Especially suitable for containment bunds and floor channels in industrial facilities. A separate chemical resistance table available.

Stress categories/durability according to PSK 2703	Tikkurila Industry code	Treatment
Dry concrete surfaces		
Stress category BC4 High mechanical stress, eg. constant forklift traffic and point load stress. Withstands stress from splashes of process chemicals < 30 °C. Coating appearance grade Ps2.	TC171 Temafloor 400 Temafloor PU	EPPUR2000-D/GD2 1-2 times <u>2000 µm</u> DFT 2000 µm
Moist concrete surfaces		
Stress category BC3 Constant medium mechanical stress, eg. constant foot traffic and occasional forklift traffic. Withstands washing with water and stain removal with neutral detergents. Coating appearance grade Ps2.	TC271 Temafloor 220W Primer Temafloor PU	EPPUR500-W/GD2 1-2 times <u>500 µm</u> DFT 500 µm
Stress category BC4 High mechanical stress, eg. constant forklift traffic and point load stress. Withstands stress from splashes of process chemicals < 30 °C. Coating appearance grade Ps2.	TC271 Temafloor 220W Primer Temafloor PU	EPPUR2000-W/GD2 1-2 times <u>2000 µm</u> DFT 2000 µm

Marking of paint systems according to standard PSK 2703 e.g. TC171-PSK 2703/FS4.2 EPPUR2000-W/GD2

COLOURS Grey.

SURFACE PREPARATION**Stress categories BC2 and BC3, preparation grade GD2 (PSK 2703)**

Remove oil, grease, chemicals and other impurities from the surface with a suitable method. Remove old coating, laitance and peeling paint layer from the floor surface so that the fine 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.

Stress category BC4, preparation grade GD2 (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 TC171**

The relative humidity of the concrete should not exceed 97%. The temperature of the ambient air, surface or coating should not fall below + 15°C during application or drying. Relative humidity of air should not exceed 70%.

Moist concrete surface TC271

The temperature of the ambient air, surface or coating should not fall below + 15°C during application or drying. Relative humidity of air should not exceed 70%.

APPLICATION**PRIMING**

Prime using 30 - 50% with Thinner 1029 or 1031 thinned Temafloor 400 (TC171) or Temafloor 220W Primer (TC271) epoxy varnish. Pour the mixture onto the floor and apply as much as is needed to impregnate the surface. If necessary, repeat the priming to get a non-porous surface. Subsequent treatment may be carried out after 2 h using "wet-on-wet" technique. A porous priming coat will result in holes and air-bubbles in a finished coat.

Scatter sand on the fresh primer coat to ensure the screed adhesion.

PATCHING

Patch pot-holes and cracks with a mixture of unthinned Temafloor 400 epoxy varnish and dry, clean sand.

SCREED

Pour Temafloor PU onto the floor. Apply by a serrated or adjustable trowel to required film thickness and level with a spiked roller.

TOP LACQUERING

Top lacquering may be carried out if necessary using Fontedur FL Matt lacquer.

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.