

TC134 FOR DRY CONCRETE SURFACE

Temafloor 400
Temafloor 5000M

TC234 FOR MOIST CONCRETE SURFACE

Temafloor 220W Primer
Temafloor 5000M

Coating systems TC134 / 234 are suitable for new and old concrete floors exposed to heavy mechanical and chemical stress in industrial and storage facilities, repair shops; e.g. process or paper machine units and corridors. Excellent resistance to abrasion. A separate chemical resistance table available. Withstands + 60 °C in immersion.

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.	TC134 Temafloor 400 Temafloor 5000M	EP2000-D/GD2 1-2 times DFT <u>2000 µm</u> 2000 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.	TC134 Temafloor 400 Temafloor 5000M	EP3000-D/GD2 1-2 times DFT <u>3000 µm</u> 3000 µm
Moist 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.	TC234 Temafloor 220W Primer Temafloor 5000M	EP2000-W/GD2 1-2 times DFT <u>2000 µm</u> 2000 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.	TC234 Temafloor 220W Primer Temafloor 5000M	EP3000-W/GD2 1-2 times DFT <u>3000 µm</u> 3000 µm

Marking of paint systems according to standard PSK 2703 e.g. TC134-PSK 2703/FS4.1 EP2000-D/GD2
COLOURS

Temaspeed tinting.

SURFACE PREPARATION**Preparation grade GD2 (PSK 2703)**

Remove oil, grease, chemicals and other impurities from the surface with a suitable method. Remove old coating, laitance and weak layer from the floor surface so that the fine aggregate is exposed. 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 TC134**

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 80 %.

Moist concrete surface TC234

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 80 %.

APPLICATION**PRIMING**

Prime using 30 - 50 % with Thinner 1031 or 1029 thinned Temafloor 400 (TC134) or Temafloor 220W Primer (TC234) 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.

PATCHING

Patch pot-holes and cracks with a mixture of unthinned Temafloor 400 or Temafloor 220W Primer epoxy varnish and dry, clean sand.

OVERCOATING

Overcoating may be carried out 16-24 hrs (+ 23 °C) after priming and patching. If the primed surface is not overcoated within 24 hrs, it should be abraded. Apply by a serrated or adjustable trowel and level with a spiked roller. Recommended film thickness is 1.0 - 4.0 mm.

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.