

TC121 FOR DRY CONCRETE SURFACE

Temafloor 200 Primer
Temafloor P 300

TC221 FOR MOIST CONCRETE SURFACE

Temafloor 220W Primer
Temafloor P 300

Coating systems TC121 / 221 are suitable for new and old concrete floors exposed to medium mechanical and chemical stress in industrial and storage facilities, repair shops; e.g. process or paper machine units and corridors. Good resistance to abrasion, different chemicals and dilute solutions of non-oxidizing acids, alkali and salt solutions. 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 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.	TC121 Temafloor 200 Primer Temafloor P300 DFT	EP500-D/GD2 1-2 times <u>500 µm</u> 500 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.	TC221 Temafloor 220W Primer Temafloor P300 DFT	EP500-W/GD2 1-2 times <u>500 µm</u> 500 µm

Marking of paint systems according to standard PSK 2703 e.g. TC121-PSK 2703/FS3.1 EP500-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, cement paste 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 TC121 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 TC221 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 200 Primer (TC121) or Temafloor 220W Primer (TC221) 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 200 Primer epoxy varnish and dry, clean sand or with Colofill epoxy putty. OVERCOATING Overcoating may be carried out not earlier than 6h (+23°C) but not later than 24 hrs after priming and patching. If the primed surface is not overcoated within 24 hrs, it should be abraded. Apply by a trowel and level with a roller. Recommended film thickness is 0.3–0.5 mm. TOP LACQUERING Top lacquering may be carried out if necessary using Temafloor 210, Temafloor 400 or Fontedur FL Matt lacquers.
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.