

TC177 FOR DRY CONCRETE SURFACE

Temafloor 400
Temafloor PU Color

TC277 FOR MOIST CONCRETE SURFACE

Temafloor 220W Primer
Temafloor PU Color

Coating systems TC177 / 277 are suitable for new and old concrete floors exposed to heavy chemical and mechanical stress in concrete and asphalt floors exposed to mechanical and chemical stress in industrial and storage facilities, repair shops, process or paper machine units and corridors.

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.	TC177	EPPUR2000-D/GD2	
	Temafloor 400		1-2 times
	Temafloor PU Color		<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.	TC277	EPPUR500-W/GD2	
	Temafloor 220W Primer		1-2 times
	Temafloor PU Color		<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.	TC277	EPPUR2000-W/GD2	
	Temafloor 220W Primer		1-2 times
	Temafloor PU Color		<u>2000 µm</u>
		DFT	2000 µm

Marking of paint systems according to standard PSK 2703 e.g. TC177-PSK 2703/FS4.2 EPPUR2000-W/GD2

COLOURS

RAL, NCS, SSG, BS, MONICOLOR NOVA and SYMPHONY colour cards. Temaspeed Premium tinting.

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 TC177**

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 TC277

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 (TC177) or Temafloor 220W Primer (TC277) 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.

OVERCOATING

Overcoating may be carried out not earlier than 16 h (+ 23 °C) but not later than 24 hrs after priming and patching. If the primed surface has no adhesion sand and is not overcoated within 24 hrs, it should be abraded. Apply by a trowel and level with a roller. Recommended film thickness is 1.0 - 2.0 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.