

**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
<b>Dry concrete surfaces</b>			
<b>Stress category BC2</b> Light mechanical stress, e.g. foot traffic. Withstands washing with water and stain removal with neutral detergents. Coating appearance grade Ps2.	<b>TC121</b>	<b>EP300-D/GD2</b>	
	Temafloor 200 Primer		1-2 times
	Temafloor P300		<u>300 µm</u>
		DFT	300 µm
<b>Stress category BC3</b> 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.	<b>TC121</b>	<b>EP500-D/GD2</b>	
	Temafloor 200 Primer		1-2 times
	Temafloor P300		<u>500 µm</u>
		DFT	500 µm
<b>Moist concrete surfaces</b>			
<b>Stress category BC2</b> Light mechanical stress, e.g. foot traffic. Withstands washing with water and stain removal with neutral detergents. Coating appearance grade Ps2.	<b>TC221</b>	<b>EP300-W/GD2</b>	
	Temafloor 220W Primer		1-2 times
	Temafloor P300		<u>300 µm</u>
		DFT	300 µm
<b>Stress category BC3</b> 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.	<b>TC221</b>	<b>EP500-W/GD2</b>	
	Temafloor 220W Primer		1-2 times
	Temafloor P300		<u>500 µm</u>
		DFT	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 6 h (+ 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.

**PRODUCT INFORMATION**

More detailed information in respective data sheets.

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