

**TC141 FOR DRY CONCRETE SURFACE**

**Temafloor 400**  
**Temafloor 4000**

**TC241 FOR MOIST CONCRETE SURFACE**

**Temafloor 220W Primer**  
**Temafloor 4000**

Coating systems TC141 / 241 are suitable for new and old concrete floors exposed to heavy mechanical and chemical stress in production facilities in wood, chemical and food industries etc. Due to good impact resistance suitable for e.g. loading platforms, repair shops and market floors. Recommended also for floors subjected to steam and heat; e.g. in institutional kitchens and dairies. Withstands heavy wear. Resistance to chemicals is given case by case. Withstands + 110 °C dry heat and + 60 °C in immersion.

<b>Stress categories/durability according to PSK 2703</b>	<b>Tikkurila Industry code</b>		<b>Treatment</b>
<b>Dry concrete surfaces</b>			
<b>Stress category BC5-Mec</b> Very high mechanical stress or warm water stress, eg. constant heavy forklift traffic and high point load stress. Withstands stress from splashes of process chemicals < 30 °C. Warm water stress 20 - 60 °C. Coating appearance grade Ps2.	<b>TC141</b>	<b>EP4000-D/GD3</b>	1-2 times <u>4000 µm</u> 4000 µm
	Temafloor 400 Temafloor 4000 DFT		
<b>Stress category BC5-Mec</b> Very high mechanical stress or warm water stress, eg. constant heavy forklift traffic and high point load stress. Withstands stress from splashes of process chemicals < 30 °C. Warm water stress 20 - 60 °C. Coating appearance grade Ps2.	<b>TC141</b>	<b>EP6000-D/GD3</b>	1-2 times <u>6000 µm</u> 6000 µm
	Temafloor 400 Temafloor 4000 DFT		
<b>Moist concrete surfaces</b>			
<b>Stress category BC5-Mec</b> Very high mechanical stress or warm water stress, eg. constant heavy forklift traffic and high point load stress. Withstands stress from splashes of process chemicals < 30 °C. Warm water stress 20 - 60 °C. Coating appearance grade Ps2.	<b>TC241</b>	<b>EP4000-W/GD3</b>	1-2 times <u>4000 µm</u> 4000 µm
	Temafloor 220W Primer Temafloor 4000 DFT		
<b>Stress category BC5-Mec</b> Very high mechanical stress or warm water stress, eg. constant heavy forklift traffic and high point load stress. Withstands stress from splashes of process chemicals < 30 °C. Warm water stress 20 - 60 °C. Coating appearance grade Ps2.	<b>TC241</b>	<b>EP6000-W/GD3</b>	1-2 times <u>6000 µm</u> 6000 µm
	Temafloor 220W Primer Temafloor 4000 DFT		

**Marking of paint systems according to standard PSK 2703 e.g. TC141-PSK 2703/FS5.1 EP4000-D/GD3**
**COLOURS**

The colour of the screed is determined by the sand used.

**SURFACE PREPARATION****Preparation grade GD3 (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 TC141**

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 TC241**

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 10 - 30 % with Thinner 1029 thinned Temafloor 400 (TC141) or Temafloor 220W Primer (TC241) 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 and prohibit gliding of the screed.

**SCREED**

Pour Temafloor 4000 onto the floor. If a thin layer is required, apply by an adjustable trowel. Thick layers are applied by a screed box or by a straight-edge and suitable laths. Knead the screeded surface by hands or use a suitable lightweight floating machine.

**OVERCOATING**

Overcoating can be carried out after 16 - 24 hours using unthinned Temafloor 400 epoxy varnish. If the surface is not overcoated within 24 hrs, it should be abraded. Apply with a rubber trowel and level with a roller.

**PRODUCT INFORMATION**

More detailed information in respective data sheets.

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