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

<table>
<thead>
<tr>
<th>Stress category BC3</th>
<th>Tikkurila Industry code</th>
<th>Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dry concrete surfaces</strong></td>
<td></td>
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<tr>
<td>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.</td>
<td>TC121</td>
<td>EP500-D/GD2</td>
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<tr>
<td>Temafloor 200 Primer</td>
<td>1-2 times</td>
<td>Temafloor P300</td>
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<tr>
<td>Temafloor 200 Primer</td>
<td>DFT</td>
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<tr>
<td>Temafloor 200 Primer</td>
<td>500 μm</td>
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<td>TC221</td>
<td>EP500-W/GD2</td>
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</tbody>
</table>

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 +15ºC 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 +15ºC 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 (+23ºC) 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.