

TC142 FOR DRY CONCRETE SURFACE

Fontefloor EP Primer Temafloor 4000

Coating system TC142 is 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.

| Stress categories/durability according to PSK 2703 | Tikkurila Industry code | Treatment |
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| Stress category BC5-Mec 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. | TC142 Fontefloor EP Primer Temafloor 4000 | EP4000-D/GD3 1-2 times <u>4000 µm</u> 4000 µm DFT |
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Marking of paint systems according to standard PSK 2703 e.g. TC142-PSK 2703/FS5.1 EP4000-D/GD3

COLOURS

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

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| 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 TC142 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 %. |
| APPLICATION | PRIMING Prime with 30–50% thinned Fontefloor EP Primer. 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 6 hours. PATCHING Fill holes and cracks with a mixture of unthinned Fontefloor EP Primer and dry, clean sand. Mixing ratio e.g. 1 part by volume of Primer mixture and 1–2 parts by volume of sand of grain size 0.1–0.6 mm. Sand the patched areas before finishing. Note! Concrete surface should always be primed before patching. SCREED Pour Temafloor 4000 onto the floor not earlier than 6 h (+ 23 °C). If the primed surface is not overcoated within 48 hours, it should be abraded. 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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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.