



Temafloor 100 Primer

DESCRIPTION	A two-component solvent-borne epoxy varnish.
PRODUCT FEATURES AND RECOMMENDED USES	<ul style="list-style-type: none">• For priming of new and old concrete floors prior to laying Temafloor coatings and screeds.• Temafloor 100 Primer penetrates well into the pores of the concrete sealing the surface and giving good adhesion for coatings and screed.• Ready to use product, no thinning needed.
TECHNICAL DATA	
Volume solids	approx. 50%.
Specific gravity	1.03 kg/l (mixture).
Mixing ratio	Base 3 parts by volume Temafloor 100 Primer Hardener 1 part by volume Temafloor 100 Primer Hardener
Possible hardeners	Temafloor 100 Primer Hardener
Pot life (+23°C)	Approx. 60 minutes after mixing, on substrate.
Practical coverage	Coverage on concrete floors is on the average: 1st primer coat 5–8 m ² /l 2nd primer coat 6–11 m ² /l Practical coverage depends on the porosity and evenness of the substrate and on the application method.
Drying time (+23°C)	Dust dry after 3 hours Touch dry after 4 hours Recoat after 6–10 hours Light trucking after 14 hours Fully cured 7 days
Cleaning of equipment	Thinner 006 1029 (or Thinner 006 1031).
Finish	Full gloss.
Colors	Colourless
Thinning instructions	Do not thin Temafloor 100 Primer epoxy coating.
VOC	VOC 2004/42/EC (cat A/j) 500 g/l (2010) Temafloor 100 Primer: max. VOC < 500 g/l
Can sizes	20,0 L

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APPLICATION INSTRUCTIONS

Surface preparation	<p>New concrete Remove laitance by power grinding, vacuum grit blasting or hydrochloric acid etching. Choose the method best suited for the premises. After grinding remove dust carefully with a vacuum cleaner. Hydrochloric acid etching is carried out with diluted hydrochloric acid (1 part concentrated hydrochloric acid, 4 parts water). Rinse with plenty of water. Dry the floor.</p> <p>Old concrete Remove all grease, oil, chemicals and other impurities by MAALIPESU detergent. Remove old peeling paint layer by grinding or vacuum grit blasting. Choose the method best suited for the premises. Clean out pot-holes removing all loose friable material. Open cracks with e.g. an abrasive tool. Remove loose material and dust.</p> <p>Cementitious levelling screed Check compatibility with the levelling screed manufacturer.</p>
Application conditions	<p>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%. Note! There is a natural tendency of epoxy coatings to chalk and discolor on exterior exposure.</p>
Mixing components	<p>Mix the correct proportions of base and hardener thoroughly (approx. 2 minutes) by using a low speed hand drill with a paddle. The amount of mixture depends on the area to be coated and on the pot life of the mixture. Insufficient mixing or incorrect mixing ratio will result in uneven drying of the surface, weaken the properties of the coating and risk the success of the application.</p>
Application	<p>Roller, steel or rubber trowel</p>
Priming	<p>Prime using Temafloor 100 Primer epoxy varnish. Pour the varnish onto the floor and apply as much as is needed to impregnate the concrete surface. If necessary, repeat the priming to get a non-porous surface. Subsequent treatment can be carried out after 2 hours using "wet-on-wet" technique.</p>
Patching	<p>Patch pot-holes and cracks with a mixture of unthinned Temafloor 200 Primer epoxy varnish and dry, clean sand. Mixing ratio e.g. 1 part by volume of varnish mixture and 1–2 parts by volume of sand of grain size 0.1–0.6 mm. Sand the patched areas before overcoating, if necessary.</p>
Topcoating	<p>Overcoating should be done within 6–10 hrs after priming. If the primed surface is not overcoated within 24 hrs, it should be abraded. A porous primer coat will result in holes and air bubbles in the finished coating.</p>
HEALTH AND SAFETY	<p>Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets. A health and safety data sheet is available on request from Tikkurila Oyj.</p>

For industrial and professional use only.

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.

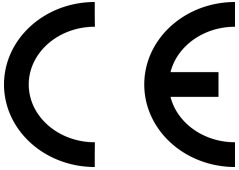
In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.

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EN 1504-2

The European harmonized productstandard EN 1504-2:2004 defines the requirements for surface protection systems for concrete.

This product is tested and CE-labelled in accordance with the tables 1d and 1f in the appendix ZA as part of coating systems.

	
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Tikkurila Oyj Kuninkaalantie 1 FI-01300 VANTAA	
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0809-CPD-0773	
TIK-A034-2019	
EN 1504-2	
Product for protection and repair of concrete structures – Coating.	
Permeability to CO ₂	according to the top coat
Impact resistance	according to the top coat
Capillary absorption and permeability to water	according to the top coat
Abrasion resistance	according to the top coat
Reaction to fire	E _{FL} (NPD)
Adhesion strength by pull off test	≥ 2,0 N/mm ²
Release of dangerous substances	NPD
Permeability to water vapour	according to the top coat