



Temafloor PAS Clear

DESCRIPTION

A two-component solvent-free fast drying polyaspartic clear lacquer.

PRODUCT FEATURES AND RECOMMENDED USES

- Fast drying and UV-resistant
 - Suitable for priming of new and old concrete floors under Temafloor PAS coating systems and Temafloor PU Coatings
 - Used as a binder and topcoat on Temafloor PAS broadcast systems.
 - Filled with sand also suitable for patching of concrete floors
 - Withstands hot water up to 90°C
 - For professional use in industrial, service and public facilities including food processing plants (without direct contact with food) and in healthcare facilities
- Suitable for outdoor applications, also.

TECHNICAL DATA

Mixing ratio

By volume

Base 1,6 parts by volume Temafloor PAS Clear

Hardener 1 part by volume Temafloor PAS Clear Hardener

By weight

Base 1,5 parts by weight Temafloor PAS Clear

Hardener 1 part by weight Temafloor PAS Clear Hardener

Pot life (+23°C)

Approx. 10 minutes after mixing, on substrate (RH>50%)

Practical coverage

Coverage on concrete floors is on the average:

Primer 5 - 8 m²/l

Screed 1 - 1,4 m²/l

Topcoat 6 - 10 m²/l

Practical coverage depends on the porosity and evenness of the substrate and on the application method.

Drying time (+23°C)

Dust dry after 2 hours

Recoat after 2 hours

Fully cured 7 days

Above given drying times are valid when RH>50%

Drying time depends on the Relative Humidity (RH) of air. High RH shortens the drying time. In arid conditions, dust-dry and re-coatable times are significantly longer (RH 25 % - dust dry approx. 4 hours).

Cleaning of equipment

Clean tools with thinner 006 1048 or 006 1061

Thinning instructions

Temafloor PAS Clear should not be thinned.

VOC

VOC 2004/42/EC (cat A/j) 500 g/l (2010)

Temafloor PAS Clear: max. VOC < 1 g/l

Can sizes

20,0 L

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APPLICATION INSTRUCTIONS

Surface preparation	Always remove all grease, oil, and other impurities with Maalipesu detergent before grinding. Remove laitance or old peeling paint layers by power grinding, milling, or vacuum grit blasting. Choose the method best suited for the premises. Clean out pot holes removing all loose or brittle material. Open cracks with e.g. an abrasive tool. After mechanical pre-treatment remove all loose material and dust carefully with a vacuum cleaner. The substrate must have a tensile strength above 1.5 MPa. For application on cementitious leveling screed: check compatibility with the leveling screed manufacturer.
Application conditions	The relative humidity of the concrete should not exceed 97%. Residual moisture content should be below 4 weight-%. 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%.
Mixing components	First stir base and hardener separately. Mix the correct proportions of base and hardener thoroughly (approx. 3 minutes to get homogenous mixture) by using a low speed industrial hand drill with a paddle. 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.
Priming	Prime using Temafloor PAS Clear. 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.
Patching	Patch pot-holes and cracks with a mixture of unthinned Temafloor PAS Clear and dry, clean sand. 1 part by volume of resin mixture and 1-2 parts by volume of sand of grain size 0,1-0,6 mm.
Screed	Overcoating should be done within 2–24 hrs after priming. If the primed surface is not overcoated within 24 hrs, it should be abraded. Pour the Temafloor PAS Clear mixture onto the floor, spread the lacquer approximately 0,7 – 1 L/m ² with serrated or adjustable trowel. Broadcast the lacquer immediately approximately with 4-6 kg/m ² of 0,7-1,2 mm colored sand. Remove the loose sand after drying with vacuum cleaner.
Topcoating	Pour the Temafloor PAS Clear mixture onto the floor, spread with a rubber or a steel trowel and level with a roller. Suitable roller is e.g. felt or nylon roller which “distributes” the varnish well. Length of the fluff is approx. 5–14 mm.

HEALTH AND SAFETY	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.
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For 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 product standard 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, 1f and 1g in the appendix ZA.

CE	
0809	
Tikkurila Oyj Heidehofintie 2 FI-01300 Vantaa	
21	
TIK-A056-2021	
EN 1504-2	
Product for protection and repair of concrete structures – Coating.	
Permeability to CO ₂	sD > 50 m
Impact resistance	Class I: ≥ 4 Nm
Capillary absorption and permeability to water	w < 0,1 kg/m ² · h _{0,5}
Abrasion resistance	weight loss < 3000 mg
Reaction to fire	Cfl-s1
Adhesion strength by pull off test	≥ 2,0 N/mm ²
Release of dangerous substances	NPD
Permeability to water vapour	Class II, 5 m < sD < 50 m
Resistance to severe chemical attack	Class II

Artificial weathering: no visual defects

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EN 13813

The European harmonized product standard EN 13813:2002 defines the requirements for Screed materials and floor screeds, including synthetic resin screeds. This product is tested and CE-labelled in accordance with the tables ZA.1.5 and ZA.3.3 in the appendix ZA.3.

CE	
Tikkurila Oyj Heidehofintie 2 FI-01300 Vantaa	
21	
TIK-A057-2021	
EN 13813	
Synthetic resin screed.	
Impact resistance	Class I: $\geq 4 \text{ Nm}$
Capillary absorption and permeability to water	$w < 0,1 \text{ kg/m}^2 \cdot h_{0,5}$
Chemical resistance	CR 2, 8, 9, 10, 11, 12, 14 (class 2)
Wear resistance to rolling wheel	AR1
Release of corrosive substances	SR
Reaction to fire	Cfl-s1
Adhesion strength by pull off test	B2,0
Release of dangerous substances	NPD