



Temafloor 25 Clear

DESCRIPTION

A one-component moisture curing polyurethane primer and topcoat.

PRODUCT FEATURES AND RECOMMENDED USES

- Easy to apply due to one component formulation
- Temafloor 25 Clear is dust binding and prevents impurities from being absorbed into the surface
- For topcoating of Mosaic floors
- Excellent resistance to abrasion
- For varnishing of concrete, asbestos cement and other mineral floors

TECHNICAL DATA

Volume solids

approx. 40%

Specific gravity

1.0 kg / l

Practical coverage

Coverage on concrete floors is on the average 4–7 m²/l.

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

Drying time (+23°C)

Dust dry after 3 hours
Touch dry after 3½ hours
Recoat after 4–12 hours
Fully cured after 24 hours

Note! If the relative humidity of air is below 50% drying will be retarded.

Cleaning of equipment

Thinner 1061.

Finish

Full gloss.

Colors

Clear

Thinning instructions

Do not thin Temafloor 25 Clear.

Reaction to fire

B_{FL}-s1 according to EN 13501-1

VOC

VOC 2004/42/EC (cat A/i) 500 g/l (2010)
Temafloor 25 Clear: max. VOC < 500 g/l

Can sizes

20,0 L

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APPLICATION INSTRUCTIONS

Surface preparation

New concrete: Remove laitance by power grinding 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.

Old concrete: Remove all grease, oil, chemicals and other impurities by Maalipesu detergent. Remove old peeling paint layer by grinding. 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.

If cementitious screed is used, check compatibility with the levelling screed manufacturer.

Application conditions

The relative humidity of the concrete should not exceed 97%. The temperature of the ambient air, surface or coating should not fall below +5°C during application or drying. Relative humidity of air should be 50–90 %.

Priming

Prime using unthinned Temafloor 25 Clear. Pour the varnish onto the floor and apply as much as is needed to impregnate the concrete surface. If necessary, repeat priming to get a non-porous surface. A porous priming coat will result in holes and air bubbles in the finished coating. Subsequent treatment can be carried out after 2 hours using "wet-on-wet" technique.

Patching

Patch pot-holes and cracks with a mixture of unthinned Temafloor 200 Primer 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.

Note! Concrete surface should always be primed before patching.

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.

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 1504-2:2004

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 and 1f in the appendix ZA.

CE	
0809	
Tikkurila Oyj Kuninkaalantie 1 FI-01300 VANTAA	
13	
0809-CPD-0773	
TIK-5570-5001	
EN 1504-2:2004	
Product for protection and repair of concrete structures – Coating.	
Permeability to CO ₂	$s_D > 50 \text{ m}$
Impact resistance	Class I: $\geq 4 \text{ Nm}$
Capillary absorption and permeability to water	$w < 0,1 \text{ kg/m}^2 \cdot h^{0,5}$
Abrasion resistance	$< 3000 \text{ mg}$
Reaction to fire	B _{f1} -s1
Adhesion strength by pull off test	$\geq 2,0 \text{ N/mm}^2$
Release of dangerous substances	NPD
Permeability to water vapour	Class I, $s_D < 5 \text{ m}$