



Temafloor 150

DESCRIPTION

A two-component solvent-free epoxy paint.

PRODUCT FEATURES AND RECOMMENDED USES

- A solvent-free epoxy paint for floors indoors and outdoors
- Recommended for floors exposed to moderate chemical and mechanical stress in industrial and storage facilities, repair shops etc
- Withstands +70°C dry heat and +60°C in immersion
- For new and old concrete floors and for surfaces previously treated with epoxy paints
- Temafloor Flex hardener makes the paint surface flexible and thus more resistant to cracking of concrete
- Suitable for coating of asphalt floors, floors of garages, staircases, balconies, washing facilities, cellars etc

TECHNICAL DATA

Volume solids approx. 100%

Specific gravity 1.7 kg/litre (mixture).

Mixing ratio

Base	4 parts by volume	Temafloor 150
Hardener	1 part by volume	Temafloor 150 Hardener
or		
Base	2 parts by volume	Temafloor 150
Flex hardener	1 part by volume	Temafloor Flex Hardener

Pot life (+23°C) Approx. 20 minutes after mixing, on substrate.

Practical coverage Coverage on concrete floors is on the average:
Primer 4–6 m²/l
Topcoat 6–8 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 4 hours
Recoat after 8 hours - 2 days
Light trucking after 24 hours
Fully cured after 7 days

At lower temperature the curing process will last longer.

With Temafloor Flex hardener the curing times are a little longer than with standard hardener.

Thinners Thinner 1029

Cleaning of equipment Thinner 1029.

Finish Full gloss.

Colors RAL, NCS, SSG, BS, MONICOLOR NOVA and SYMPHONY colour cards. Temaspeed Premium tinting

Reaction to fire B_{FL}-s1 according to standard EN 13501-1.

VOC VOC 2004/42/EC (cat A/j) 500 g/l (2010)
Temafloor 150: max. VOC < 500 g/l

Can sizes 10,0 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 +15°C during application or drying. Relative humidity of air should not exceed 80%.

Note! There is a natural tendency of this coating to chalk, discolor or yellow unevenly. It is recommended to use polyurethane topcoat when there are high aesthetical requirements on color appearance.

Mixing components

First stir base and hardener separately. Mix the correct proportions of base and hardener thoroughly (approx. 2 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 10–30 % thinned Temafloor 150 epoxy paint. Pour the mixture onto the floor, apply with a rubber trowel and level with a roller.

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.

Patching

Patch pot-holes and cracks with Colofill putty or a mixture of unthinned Temafloor 150 epoxy paint or Temafloor 200 Primer or 210 epoxy varnish and dry, clean sand. Mixing ratio e.g. 1 part by volume of epoxy paint or 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.

Topcoating

Overcoating should be done within 8–48 hrs after priming. If the primed surface is not overcoated within 48 hrs, it should be abraded. The paint should be thinned 5–20 %. Pour the mixture onto the floor and apply it with a trowel and level with a roller.

Note! Add the remaining mixture to the next batch of the product, do not scrape it out of the container onto the floor.

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.



Temafloor 150

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.

Temafloor 150

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, 1f and 1g in the appendix ZA.

CE	
0809	
Tikkurila Oyj Kuninkaalantie 1 FI-01300 VANTAA	
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0809-CPD-0773	
TIK-0102-5001	
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 II, $5 \text{ m} < s_D < 50 \text{ m}$
Resistance to severe chemical attack	Class II