Temafloor AC602 Clear

DESCRIPTION

A two-component, solvent-free acrylic topcoat.

PRODUCT FEATURES AND RECOMMENDED USES

- Used as a topcoat for Temafloor AC502 acrylic troweling screed.
- Forms elastic and durable surface.
- Non-yellowing.
- Cures at low temperatures.
- Recommended for the floors of engineering workshops, warehouses, cold stores of food industry, parking deck surfaces, loading ramps and terraces.

TECHNICAL DATA

Volume solids

approx. 100%

Specific gravity

0.95 kg /l (ready made mixture)

Mixing ratio

Temperature (ºC)*	The amount of hardener (percentage of weight of the binder)	Pot life (min)	Drying time (min)
+5	4.5	ab. 40	ab. 70
+10	3.0	ab. 35	ab. 75
+20	2.0	ab. 15	ab. 35
+35	1.0	ab. 25	ab. 70

* Temperature of the binder, air and the floor.

Possible hardeners

BP-50-FT, Perkadox®CH-50 or PEROXAN BP-Pulver 50 W.

Practical coverage

Coverage is on the average:
Topcoat 1.3–2.5 m²/l
Practical coverage depends on the porosity and evenness of the surface and on the application method.

Cleaning of equipment

Thinner 006 1400.

Finish

Semi-matt.

Colors

Clear

Thinning instructions

Do not thin.

VOC

VOC 2004/42/EC (cat A/j), 500 g/l (2010)
Temafloor AC602 Clear: max. VOC < 500 g/l

Can sizes

20,0 L, 200,0 L

Temafloor AC602 Clear

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 +15ºC 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. 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.

Topcoating

Topcoating can be carried out after the screed has cured. Pour the varnish mixture onto the floor, apply with a rubber trowel and level with a roller.

Observe a right amount of hardener. Using excessive amounts of hardener can cause yellowing and may weaken the properties of the topcoat. Film thickness should be 0,4–0,8 mm. Thicker film causes yellowing of the surface.

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 professional use only.

Temafloor AC602 Clear

EN 13813

The European harmonized productstandard 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
Kuninkaalantie 1
FI-01300 VANTAA

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TIK-1600-5006b

EN 13813 SR-B2,0-AR 0,5-IR 4

Synthetic resin screed.

Impact resistance	IR4
Capillary absorption and permeability to water	w < 0,1 kg/m² · $h^{0,5}$
Chemical resistance	Class 1
Release of corrosive substances	SR
Abrasion resistance	AR 0,5
Thermal resistance	NPD
Reaction to fire	E_{fl} (NPD)
Adhesion strength by pull off test	B 2,0
Release of dangerous substances	NPD
Sound absorption	NPD
Sound insulation	NPD

Tested as part of a system together with Temafloor AC102 Primer and Temafloor AC502.

Temafloor AC602 Clear

EN 1504-2:2004

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, 1f and 1g in the appendix ZA.

CE	
0809	
Tikkurila Oyj Kuninkaalantie 1 FI-01300 Vantaa	
13	
0809-CPD-0773	
TIK-1600-5006a	
EN 1504-2:2004	
Product for protection and repair of concrete structures – Coating.	
Permeability to CO2	s_D > 50 m
Impact resistance	IR10
Capillary absorption and permeability to water	w < 0,1 kg/m² · $h^{0,5}$
Abrasion resistance	< 3000 mg
Reaction to fire	E_{fl}-s1 (NPD)
Adhesion strength by pull off test	≥ 2,0 N/mm²
Release of dangerous substances	NPD
Permeability to water vapour	Class III, s_D > 50 m
Resistance to severe chemical attack	Class I

Tested as part of a system together with Temafloor AC102 Primer and Temafloor AC502.