Temafloor PU-UV

DESCRIPTION	A high-solids, elastic two-component polyurethane coating.
PRODUCT FEATURES	Intended to be used as a UV-resistant topcoat on Temafloor PU floors in parking decks and other areas exposed to direct sunlight.
Recommended uses	Concrete floors.

TECHNICAL DATA

Features	Withstands mechanical and chemical stress. Self-levelling, to be applied with serrated or steel trowel.
Colour Range	TVT 0229. The shade and gloss of the coating may change during time.
Gloss groups	Gloss
Coverage	Practical coverage depends on the porosity and evenness of the substrate and on the application method. Film thickness 0.3 mm coverage approx. 2.7 m^2/litre Film thickness 0.5 mm coverage approx. 1.8 m^2/litre
Mixing ratio	Base 2 parts by volume 473 serie Hardener 1 part by volume 008 4001
Application method	Serrated or steel trowel.
Pot-life (+23°C)	40 minutes on substrate, abt. 20 minutes in the mixing container.
Drying time at 23°C and 50% relative air humidity	Dust dry after 6 hours Light trucking after 24 hours Fully cured after 7 days At lower temperatures the curing process will last longer.
Solids volume	Approx. 90 % volume
Density	1.4 kg / litre (mixture)
Product code	473 serie

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APPLICATION DETAILS

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 +15ºC during application or drying. Relative humidity of air should not exceed 70%.
Preparation	Remove dust and loose particles from the floor. Remove all grease, oil and other impurities by detergent washing.
Diluting	Do not thin Temafloor PU-UV polyurethane coating.
Coating	Overcoating may be carried out not earlier than 24 hrs after coating with Temafloor PU. If the coated surface is older than 7 days, it should be abraded. Pour the coating mixture onto the floor and spread it with a serrated steel trowel or an adjustable trowel. Control that the thickness of layer is correct by observing coating consumption and by measuring the film thickness. Recommended thickness of a layer is 0.3 -1.0 mm. Level the screed with a spiked roller approx. 10 - 20 min after application. Spiked roller helps removing air bubbles from the coating. Note! Add the remaining mixture to the next batch of the screed, do not scrape it out of the container onto the floor.
Mixing of components	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.
Cleaning of tools	Thinner 006 1061.
EU VOC 2004/42/ EC-limit value	VOC 2004/42/EC (cat A/j) 500 g/l (2010) Temafloor PU-UV: max. VOC < 500 g/l

HEALTH AND SAFETY LABELLING according to Regulation (EC) No. 1272/2008

	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.
Safety data sheet	TEMAFLOOR PU-UV [GB-ENG]
Thinner safety data sheet	THINNER 1061 [GB-ENG]
Hardener safety data sheet	TEMAFLOOR PU-UV HARDENER [GB-ENG]

DECLARATION OF PERFORMANCE

Declaration of Performance EN13813 Declaration of Performance EN1504-2

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CE

The European harmonized productstandard EN 1504-2 defines the requirements for surface protection systems for concrete.
This product is tested and CE-labelled in accordance with the tables 1f and 1g in the appendix ZA.

CE

0809

Temafloor PU-UV

Tikkurila Oyj Kuninkaalantie 1 FI-01300 VANTAA	
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TIK-0473-5001	
0809-CPD-0773	
EN 1504-2:2004	
Product for protection and repair of concrete structures – Coating	
Abrasion resistance	
Resistance to severe chemical attack	Class II
Behaviour after artificial weathering	no visual defects
Permeability to CO2	CO_{2sD} > 50 m
Water absorption	w < 0,1 kg/m²·$h^{0,5}$
Impact resistance	Class I: ≥ 4 Nm
Permeability to water vapour	Class II, 5 m < s_D < 50 m
Adhesion strength by pull off test	≥ 2,0 N/mm²
Reaction to fire	B_{fl}-s1

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