



System data sheet

Temafloor Traffic system

A HIGHLY DURABLE COATING SYSTEM FOR DEMANDING AREAS

INDOOR & OUTDOOR: CAR PARKS, PEDESTRIAN BRIDGES

Thanks to its water resistance, elasticity and crack-bridging properties, Temafloor Traffic not only protects concrete floors from cracking, it also reinforces the surface against corrosion. The coating offers long-lasting protection with low maintenance costs and long maintenance intervals. Temafloor Traffic is a broadcast system recommended for areas where a non-slip finish with resistance to UV light, abrasion, high load, salts and automotive fluids is required. Typical application areas include car parks and pedestrian bridges.

Approvals and standards

Temafloor PU-UV Color and Temafloor PU Color are M1-classified coatings certified to EN 1504-2 for the surface protection of concrete. They are CE marked with a Declaration of Performance.

Colours

If Temafloor Color is used as a topcoat, it is tintable to a colour of your choice. Colour cards: Tikkurila Symphony, RAL, NCS.

BENEFITS

- ☒ ROUGH SURFACE PROVIDES EXCELLENT NON-SLIP PROPERTIES
- ☒ EXCELLENT RESISTANCE TO UV LIGHT IN OUTDOOR APPLICATION AREAS
- ☒ HIGHLY RESISTANT TO ABRASION, IMPACT AND MECHANICAL WEAR
- ☒ GOOD CRACK-BRIDGING PROPERTIES DOWN TO -20°C



Technical information

Temafloor Traffic is suitable for indoor and outdoor use. We recommend using Temafloor PU-UV Color as topcoat for exterior applications where UV resistance is required. Temafloor Traffic Flex is recommended for applications or substrates where extra elasticity and protection against water are required.

System structure, 3-8 mm*

	TEMAFLOOR TRAFFIC SYSTEM, 3 MM	TEMAFLOOR TRAFFIC FLEX SYSTEM, 5 MM
1. PRIMER	Temafloor 400 (0.25 l/m ²), broadcast 0.7-1.2 mm quartz sand (0.6-0.8 kg/m ²) For damp concrete (RH > 97%): Temafloor 220W Primer	Temafloor 400 (0.25 l/m ²), broadcast 0.7-1.2 mm quartz sand (0.6-0.8 kg/m ²) For damp concrete (RH > 97%): Temafloor 220W Primer
2. FLEXIBLE COAT	-	Temafloor Membrane, 2 mm (2 l/m ²)
3. BASECOAT	Temafloor PU (1.1 l/m ²), broadcast quartz sand (3.0 kg/m ²)	Temafloor PU (1.1 l/m ²), broadcast quartz sand (3.0 kg/m ²)
4. TOPCOAT	Exterior use: Temafloor PU-UV Color (0.7 l/m ²) Interior use: Temafloor PU (TVT 0229, grey) or Temafloor PU Color (0.8 l/m ²)	Exterior use: Temafloor PU-UV Color (0.7 l/m ²) Interior use: Temafloor PU (TVT 0229, grey) or Temafloor PU Color (0.8 l/m ²)

*The systems named above are also available in different thicknesses with varying grain sizes for slip protection, etc. Please contact your Tikkurila sales representative for further information.

Environmental information

Containers are provided with safety labels, which should be observed.

Further information about hazardous effects and recommended protection are detailed in individual health and safety data sheets. The product is non-hazardous when fully hardened, forming a seamless, durable and long-lasting surface that reduces the need for repairs, cleaning and maintenance.

Application information

The relative humidity of the concrete should not exceed 97% (if it does, please choose Temafloor 220W Primer). The 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. The relative humidity of the air should not exceed 80%.

Substrate requirements

The substrate must have a tensile strength above 1.5 MPa. For application on cementitious levelling screed, check compatibility with the levelling screed manufacturer.

Cleaning and maintenance

Floors coated with Temafloor Traffic can be cleaned with conventional, neutral or alkaline cleaning agents. For maintenance and repair, please contact your local Tikkurila representative.

More information on how to clean and take care of Temafloor surfaces can be found in the info sheet: [Cleaning and care of Temafloor surfaces](#).

Temafloor Traffic technical parameters

TOTAL FILM THICKNESS	3–8 mm
FULLY CURED	7 days (+23°C)
RELATIVE HUMIDITY OF CONCRETE	< 97%
TEMPERATURE DURING PAINTING	+15°C to +35°C
COLOUR SHADE	Temafloor PU: TVT 0229. Temafloor PU-UV Color & PU Color: any Symphony, RAL or NCS shade
ADHESION TO CONCRETE, EN 1542	≥ 2 MPa
CAPILLARY ABSORPTION AND WATER PERMEABILITY, EN 1062-3	w<0.1 kg/m ² h-0.5
ADHESION AFTER THERMAL COMPATIBILITY, EN 13687-1	≥ 2 MPa
IMPACT RESISTANCE, EN ISO 6272-1	Class II ≥ 10Nm
ABRASION RESISTANCE (BÖHME), EN 13892-3	Class A3 ≤ 3 cm ³ /50 cm ² (with Dynagrip/ bauxite)
ABRASION RESISTANCE (BÖHME), EN 1338	≤ 12500 mm ³ /5000 mm ² (with quartz sand)
WEATHER RESISTANCE, EN 4628-6	5 years in urban atmosphere in accordance with Class III (with Temafloor PU-UV Color)
ARTIFICIAL WEATHERING, EN 1062-11	2000 hours without defects (with Temafloor PU-UV Color)
SLIP RESISTANCE, EN 13036-4	Class III, SRV > 55 in wet conditions
REACTION TO FIRE, EN 13501-1	Bfl-s1 Cfl-s1 (Temafloor PU Color, Temafloor Membrane)
CRACK BRIDGING, EN 1062-7	Temafloor Membrane: A3 (-20°C). Temafloor PU: A2 (-10°C)
CHEMICAL RESISTANCE	Varies according to topcoat used: see separate chemical resistance table