DECLARATION OF PERFORMANCE

Temaline EPL 100 phenolic epoxy paint

No TIK-025V-5001

1. Unique identification code of the product type: **TIK-025V-5001 Temaline EPL 100**

2. Intended uses: **Product for protection and repair of concrete structures – Coating: ingress protection (1.3), physical resistance (5.1), chemical resistance (6.1)**

3. Manufacturer: **Tikkurila Oyj, Kuninkaalantie 1, FI-01300 Vantaa**

4. Systems of assessment and verification of consistency of performance of the construction product: **AVCP 2+**

5. Harmonised standard: **EN 1504-2:2004**

   Notified body: **AVCP 2+: 0809 VTT Expert Services Oy**

6. Declared performances:

Essential characteristics	Performance	Harmonised technical specification
Linear shrinkage	NPD	EN 1504-2:2004
Compressive strength	NPD	
Coefficient of thermal expansion	NPD	
Abrasion resistance	weight loss < 3000 mg	
Adhesion by cross-cut test	NPD	
Permeability to CO_2	CO_{2SD} > 50 m	
Permeability to water vapour	class I, s_D < 5 m	
Capillary absorption and permeability to water	w < 0.1 kg/m² · $h^{0,5}$	
Adhesion after thermal compatibility	NPD	
Resistance to thermal shock	NPD	
Chemical resistance	NPD	
Resistance to severe chemical attack	class II	
Crack bridging ability	NPD	
Impact resistance	class I: ≥ 4 Nm	
Adhesion strength by pull-off test	≥ 2.0 N/mm²	
Fire classification	F (NPD)	
Slip/skid resistance	NPD	
Behaviour after artificial weathering	NPD	
Antistatic behaviour	NPD	
Adhesion on wet concrete	NPD	
Diffusion of chloride ions	NPD	
Release of dangerous substances	NPD	

Resistance to severe chemical attack:

- Group 1 : Petrol
- Group 2 : Aircraft fuel
- Group 4 : All hydrocarbons, excluding groups 4a and 4b
- Group 4a : Benzene and benzene containing solutions
- Group 5 : Aqueous solutions of alcohols (max. 48 vol.-% methanol) and glycol ethers
- Group 5a : All alcohols and glycol ethers
- Group 6 : Halogenated hydrocarbons
- Group 7 : Organic esters and ketones
- Group 7a : Aromatic esters and ketones
- Group 10 : Inorganic acids (up to 20 %) and aqueous solutions of acidic salts (pH < 6)
- Group 11 : Inorganic bases and their alkaline hydrolyzing salts (pH > 8)
- Group 12 : Inorganic non-oxidizing salts (pH 6-8)
- Group 14 : Aqueous solutions of organic tensides

Detailed descriptions of chemical groups and test solutions can be found in standard EN 13529.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on the behalf of the manufacturer by:

Merja Koivisto

At Vantaa on 27.11.2017