

DECLARATION OF PERFORMANCE

Novofloor 2-K Elastic Color polyurethane coating

Nro TIK-A054-2021

1. Unique identification code of the product type: **TIK-A054-2021 Novofloor 2-K Elastic Color**
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, P.O. BOX 53, 01301 Vantaa**
4. Systems of assessment and verification of consistency of performance of the construction product: **AVCP 2+ and AVCP 3**
5. Harmonised standard: **EN 1504-2:2004**

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

AVCP 3: 1488 Instytut Techniki Budowlanej

6. Declared performance:

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 II, 5 m < s _D < 50 m	
Capillary absorption and permeability to water	$w < 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$	
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 II: $\geq 10 \text{ Nm}$	
Adhesion strength by pull-off test	$\geq 2.0 \text{ N/mm}^2$	
Fire classification	B _{fl} -s1	
Slip/skid resistance	NPD	
Behaviour after artificial weathering	No visual defects	
Antistatic behaviour	NPD	
Adhesion on wet concrete	NPD	
Diffusion of chloride ions	NPD	
Release of dangerous substances	NPD	

Resistance to severe chemical attack:

Group 2 : Aircraft fuel

Group 4 : All hydrocarbons, excluding groups 4a and 4b

Group 5 : Aqueous solutions of alcohols (max. 48 vol.-% methanol) and glycol ethers

Group 8 : Aliphatic aldehydes

Group 9 : Aqueous solutions of organic acids, up to 10%

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 13 : Aqueous solutions of amines and their salts

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:

Nia Korpela
RDI Team Leader

Teemu Puustinen
Researcher



At Vantaa on 9.3.2021