

DECLARATION OF PERFORMANCE N. CPR-IT1/1003

- 1) Unique identification code of the product-type: **MAPECOAT TNS EXTREME SF**
- 2) Intended uses: **Two-component coating for intended use in concrete surface protection by protection against ingress, moisture control and increasing resistivity, physical resistance, chemical resistance**
- 3) Manufacturer: **MAPEI S.p.A. – Via Cafiero, 22 – 20158 Milan – Italy - www.mapei.it**
- 4) Systems of AVCP: **System 2+**
System 3 (for reaction to fire)
- 5) Harmonized standards: **EN 1504-2:2004**

Notified bodies: **ICMQ SPA, N. 1305**
CSI SPA, N. 0497

- 6) Performances declared:

Essential characteristics	Performances
Abrasion resistance:	Weight loss < 3000 mg
Cross cut:	≤ GT 2
Permeability to CO₂:	s_D > 50 m
Water vapour permeability:	Class I
Capillary absorption and permeability to water:	< 0,1 kg/m²·h^{0,5}
Resistance to thermal shock:	≥ 1,5 N/mm²
Thermal compatibility:	≥ 1,5 N/mm² (with de-icing salt influence)
Resistance to severe chemical attack:	Hardness reduction < 50% (Shore D) Group 3,11,12,14 (Class II)
Crack bridging ability:	A3 (23°C)
Impact resistance:	Class I
Adhesion strength by pull-off test:	≥ 1,5 N/mm²
Reaction to fire:	Class C-s1, d0 / B_{FL}-s1
Skid resistance:	Class III
Artificial weathering:	No blistering, no cracking, no flaking. (slight change of color)
Dangerous substances:	NPD

Legend for resistance to severe chemical attack: groups numbers and related descriptions as per EN 13529

Group 3:	Heating oil and diesel fuel and unused motor and gear oils
Group 11:	Inorganic bases and their salts with alkaline hydrolysis in aqueous solution (pH > 8) except for ammonium solutions and oxidizing solutions salts (for example hypochlorite)
Group 12:	Solutions of inorganic non-oxidizing salts with pH = 6 - 8
Group 14:	Aqueous solutions of organic surfactants

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.



MAPECOAT TNS EXTREME SF
Declaration of Performance
N. CPR-IT1/1003

Signed for and on behalf of the manufacturer by: **Lorenzo Martino – Corporate Quality Management**

Milan, 10/08/2023

REACH information: the information referred to Article 31 or, as appropriate, to Article 33 of the REACH Regulation (EC) No 1907/2006 and following amendments are indicated in the safety data sheet that MAPEI makes available on the website along with this current Declaration of Performance

DoP in Pdf format are available in the Mapei website.

Revision 0 notes:	First issue
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 1305, 0497	 Via Cafiero, 22 – 20158 Milano (Italy) www.mapei.it
23 CPR-IT1/1003 EN 1504-2 MAPECOAT TNS EXTREME SF	
<i>Two-component coating for intended use in concrete surface protection by protection against ingress, moisture control and increasing resistivity, physical resistance, chemical resistance</i>	
Abrasion resistance: Cross cut: Permeability to CO ₂ : Water vapour permeability: Capillary absorption and permeability to water: Resistance to thermal shock: Thermal compatibility: Resistance to severe chemical attack: Crack bridging ability: Impact resistance: Adhesion strength by pull-off test: Reaction to fire: Skid resistance: Artificial weathering: Dangerous substances:	Weight loss < 3000 mg ≤ GT 2 s _D > 50 m Class I < 0,1 kg/m ² ·h ^{0,5} ≥ 1,5 N/mm ² ≥ 1,5 N/mm ² (with de-icing salt influence) Hardness reduction < 50% (Shore D) Group 3,11,12,14 (Class II) A3 (23°C) Class I ≥ 1,5 N/mm ² Class C-s1, d0 / B _{FL} -s1 Class III No blistering, no cracking, no flaking. (slight change of color) NPD

Note:

MAPEI supplies the current annex along with the DoP to make the consultancy of the CE marking easier for the international clients. The enclosed CE marking can be slightly different compared to the one printed on the relevant packaging or documentation because of:

- NPD (No Performance Determined) values can be omitted by the CE marking,
- graphic adaptations due to lack of space on the packaging or printing methods used,
- different language (the same packaging can be shared by several countries),
- the product is already in stock when the updating of the CE marking is implemented,
- printing mistakes.