

DECLARATION OF PERFORMANCE N. CPR-IT1/0898

- 1) Unique identification code of the product-type: **MAPECOAT TNS EXTREME**
- 2) Intended uses: **Two-component epoxy-acrylic coating for intended use in concrete surface protection by ingress protection; 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}
Thermal compatibility:	≥ 1,5 N/mm² (with de-icing salt influence)
Resistance to thermal shock:	≥ 1,5 N/mm²
Resistance to severe chemical attack:	Reduction in hardness < 50% (Shore D) Groups 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 D-s2, 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.

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

Milan, 05/11/2021



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.

<i>Revision 1 notes:</i>	<i>Updated performances</i>
--------------------------	-----------------------------

MAPECOAT TNS EXTREME
CE MARKING
Annex to DoP N. CPR-IT1/0898



 1305, 0497	 Via Cafiero, 22 – 20158 Milano (Italy) www.mapei.it
21 CPR-IT1/0898 EN 1504-2 MAPECOAT TNS EXTREME <i>Two-component epoxy-acrylic coating for intended use in concrete surface protection by ingress protection; moisture control and increasing resistivity; physical resistance; chemical resistance</i>	
Abrasion resistance:	Weight loss < 3000 mg
Cross cut:	≤ GT 2
Permeability to CO ₂ :	S _d > 50 m
Water vapour permeability:	Class I
Capillary absorption and permeability to water:	< 0,1 kg/m ² ·h ^{0.5}
Thermal compatibility:	≥ 1,5 N/mm ² (with de-icing salt influence)
Resistance to thermal shock:	≥ 1,5 N/mm ²
Resistance to severe chemical attack:	Reduction in hardness < 50% (Shore D)
	Groups 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/mm ²
Reaction to fire:	Class D-s2, d0 / B _{FL} s1
Skid resistance:	Class III
Artificial weathering:	No blistering, no cracking, no flaking (slight change of color)
Dangerous substances:	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.