

DECLARATION OF PERFORMANCE N. CPR-IT1/0807

- 1) Unique identification code of the product-type: **MAPECOAT TNS URBAN**
- 2) Intended uses: **Acrylic resin in water dispersion 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: **the notified body ICMQ SpA, N. 1305, performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.**

The notified laboratory CSI S.p.A., N. 0497, carried out the assessment of the performance (reaction to fire) on the basis of testing on samples taken by the manufacturer.

- 6) Performances declared:

Essential characteristics	Performances
Abrasion resistance:	Weight loss < 3000 mg
Permeability to CO₂:	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:	
- for outside application with de-icing salt influence:	≥ 0,8 N/mm²
- for inside application (ageing 7 days at 70°C):	≥ 0,8 N/mm²
Resistance to thermal shock:	≥ 0,8 N/mm²
Resistance to severe chemical attack:	Reduction in hardness < 50% (Shore D)
- Group 3:	Class II
Crack bridging ability:	A4 (23°C), B4.1 (23°C)
Impact resistance:	NPD
Adhesion strength by pull-off test:	≥ 0,8 N/mm²
Reaction to fire:	Class B_{FL}-s1
Skid resistance:	Class III
Artificial weathering:	No blistering, no cracking, no flaking. Slight colour change (more dark).
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.

7) 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

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, 21/04/2020





DoP in Pdf format are available in the Mapei website.

<i>Revision 0 notes:</i>	<i>First issue</i>
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MAPECOAT TNS URBAN
CE MARKING
Annex to DoP N. CPR-IT1/0807



 1305, 0497	 Via Cafiero, 22 – 20158 Milano (Italy) www.mapei.it
<p align="center"> 20 CPR-IT1/0807 EN 1504-2 MAPECOAT TNS URBAN <i>Acrylic resin in water dispersion coating for intended use in concrete surface protection by ingress protection; moisture control and increasing resistivity; physical resistance; chemical resistance</i> </p>	
Abrasion resistance: Permeability to CO ₂ : Water vapour permeability: Capillary absorption and permeability to water: Thermal compatibility: - for outside application with de-icing salt influence: - for inside application (ageing 7 days at 70°C): Resistance to thermal shock: Resistance to severe chemical attack: - Group 3: Crack bridging ability: Impact resistance: Adhesion strength by pull-off test: Reaction to fire: Skid resistance: Artificial weathering: Dangerous substances:	Weight loss < 3000 mg S _D > 50 m Class I < 0,1 kg·m ⁻² ·h ^{-0,5} ≥ 0,8 N/mm ² ≥ 0,8 N/mm ² ≥ 0,8 N/mm ² Reduction in hardness < 50% (Shore D) Class II A4 (23°C), B4.1 (23°C) NPD ≥ 0,8 N/mm ² Class B _{FL} -s1 Class III No blistering, no cracking, no flaking. Slight colour change (more dark). 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:

- 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.