

**DECLARATION OF PERFORMANCE N. CPR-IT1/0692**

- 1) Unique identification code of the product-type: **MAPEFLOOR FINISH 451**
- 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 methods**
- 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
<b>Abrasion resistance:</b>	<b>Weight loss &lt; 3000 mg</b>
<b>Permeability to CO<sub>2</sub>:</b>	<b>s<sub>D</sub> &gt; 50 m</b>
<b>Water vapour permeability:</b>	<b>Class III</b>
<b>Capillary absorption and permeability to water:</b>	<b>&lt; 0,1 kg/m<sup>2</sup>.h<sup>0.5</sup></b>
<b>Resistance to thermal shock:</b>	<b>≥ 1,5 N/mm<sup>2</sup></b>
<b>Resistance to severe chemical attack:</b>	<b>reduction in hardness Shore D &lt; 50%</b>
- <b>Group 1 (petrol)</b>	- <b>Class II</b>
- <b>Group 3 (oil, diesel fuel)</b>	- <b>Class II</b>
- <b>Group 12 (NaCl 20%)</b>	- <b>Class II</b>
<b>Impact resistance:</b>	<b>Class II</b>
<b>Adhesion strength by pull-off test:</b>	<b>≥ 1,5 N/mm<sup>2</sup></b>
<b>Reaction to fire:</b>	<b>Class B<sub>FL</sub>-s1</b>
<b>Artificial weathering:</b>	<b>No visual defect</b>
<b>Dangerous substances:</b>	<b>NPD</b>

- 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.



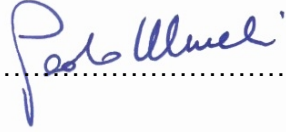
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**MAPEFLOOR FINISH 451**  
**Declaration of Performance**  
**N. CPR-IT1/0692**

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: **Paolo Murelli – Corporate Quality Management**

**Milan, 11/10/2018**



  
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*DoP in Pdf format are available in the Mapei website.*

<i>Revision 0 notes:</i>	<i>First issue</i>
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**MAPEFLOOR FINISH 451**  
**CE MARKING**  
*Annex to DoP N. CPR-IT1/0692*



 1305, 0497	 Via Cafiero, 22 – 20158 Milano (Italy) www.mapei.it
<b>18</b> <b>CPR-IT1/0692</b> <b>EN 1504-2</b> <b>MAPEFLOOR FINISH 451</b> <i>Two-component coating for intended use in concrete surface protection by protection against ingress; moisture control and increasing resistivity; physical resistance; chemical resistance methods</i>	
Abrasion resistance: Permeability to CO <sub>2</sub> : Water vapour permeability: Capillary absorption and permeability to water: Resistance to thermal shock: Resistance to severe chemical attack: Group 1 (petrol) Group 3 (oil, diesel fuel) Group 12 (NaCl 20%) Impact resistance: Adhesion strength by pull-off test: Reaction to fire: Artificial weathering: Dangerous substances:	Weight loss < 3000 mg sD > 50 m Class III < 0,1 kg/m <sup>2</sup> .h <sup>0.5</sup> ≥ 1,5 N/mm <sup>2</sup> reduction in hardness Shore D < 50% - Class II - Class II - Class II Class II ≥ 1,5 N/mm <sup>2</sup> Class BFL-s1 No visual defect 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.