

**DECLARATION OF PERFORMANCE N. CPR-IT1/0517**

- 1) Unique identification code of the product-type: **AQUAFLEX ROOF HR**
- 2) Intended uses: **Coating for intended use in concrete surface protection by protection against ingress; moisture control and increasing resistivity 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 SpA, 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:

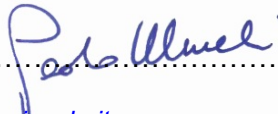
Essential characteristics	Performances
<b>Permeability to CO<sub>2</sub>:</b>	<b>s<sub>D</sub> &gt; 50 m</b>
<b>Water vapour permeability:</b>	<b>Class I</b>
<b>Capillary absorption and permeability to water:</b>	<b>&lt; 0,1 kg*m<sup>-2</sup>*h<sup>-0,5</sup></b>
<b>Thermal compatibility:</b>	
<b>for outside application with de-icing salt influence:</b>	
- Freeze-thaw	<b>≥ 0,8 N/mm<sup>2</sup></b>
- Thunder shower	<b>≥ 0,8 N/mm<sup>2</sup></b>
<b>Crack bridging ability:</b>	<b>A4 (23°C), A4 (0°C), B2 (0°C)</b>
<b>Adhesion strength by pull-off test:</b>	<b>≥ 0,8 N/mm<sup>2</sup></b>
<b>Reaction to fire:</b>	<b>Class B-s1,d0</b>
<b>Artificial weathering:</b>	<b>no visual defect (slight colour shift)</b>
<b>Dangerous substances:</b>	<b>see SDS</b>

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: **Paolo Murelli – Corporate Quality Management**

**Milan, 05/03/2015**





.....

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

<b>Revision 1 notes:</b>	<b>Unchanged product, amended performance table</b>
--------------------------	---

**AQUAFLEX ROOF HR**  
**CE MARKING**  
*Annex to DoP N. CPR-IT1/0517*



 1305, 0497	 Via Cafiero, 22 – 20158 Milano (Italy) www.mapei.it
<b>15</b> <b>CPR-IT1/0517</b> <b>EN 1504-2:2004</b> <b>AQUAFLEX ROOF HR</b> <i>Coating for intended use in concrete surface protection by protection against ingress;          moisture control and increasing resistivity methods</i>	
Permeability to CO <sub>2</sub> : Water vapour permeability: Capillary absorption and permeability to water: Thermal compatibility: for outside application with de-icing salt influence: - Freeze-thaw - Thunder shower Crack bridging ability: Adhesion strength by pull-off test: Reaction to fire: Artificial weathering: Dangerous substances:	$s_D > 50 \text{ m}$ Class I $< 0,1 \text{ kg} \cdot \text{m}^{-2} \cdot \text{h}^{-0,5}$ $\geq 0,8 \text{ N/mm}^2$ $\geq 0,8 \text{ N/mm}^2$ A4 (23°C), A4 (0°C), B2 (0°C) $\geq 0,8 \text{ N/mm}^2$ Class B-s1,d0 no visual defect (slight colour shift) see SDS

**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.