

## DECLARATION OF PERFORMANCE

**N. CPR-ES2/0006**

<b>1   Unique identification code of the product-type</b>	<b>TECNOCOAT H-2049</b>
<b>2   Intended uses</b>	Two-component hybrid polyurea coating for intended use in concrete surface protection by protection against ingress; moisture control and increasing resistivity; physical resistance; chemical resistance methods
<b>3   Manufacturer</b>	TECNOPOL SISTEMAS, S.L.U. Finlàndia, 33 08520 Les Franqueses del Vallés – Barcelona-Spain www.tecnopolgroup.com – t. +34 935682111
<b>4   Systems of AVCP</b>	System 2+ System 3 (for reaction to fire)
<b>5   Harmonized standards</b>	EN 1504-2:2004
<b>Notified bodies</b>	The notified body LGAI TECHNOLOGICAL CENTER, S. A./Applus, N. 0370, 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.
<b>6   Performances declared</b>	
<b>Essential characteristics</b>	<b>Performances</b>
Abrasion resistance:	Weight loss < 3000 mg
Permeability to CO <sub>2</sub> :	Sd > 50 m
Water vapor permeability:	Class I
Capillary absorption and permeability to water:	< 0,1 kg/m <sup>2</sup> ·h <sup>0.5</sup>
Resistance to thermal shock:	≥ 1,5 N/mm <sup>2</sup>
Resistance to severe chemical attack:	Reduction hardness ≤ 50% (Shore D)
Group 9,	Class II (Loss of gloss)
Group 10	Class II (Slight loss of gloss)
Group 12 and [Potassium Hydroxide 20%vol]	Class II
Crack bridging ability	A5 (-10°C), B4,1(23°C)
Impact resistance:	Class III
Adhesion strength by pull-off test:	≥ 1,5 N/mm <sup>2</sup>
Reaction to fire:	Class E
Artificial weathering:	No blistering, no cracking, no flaking. Change of color, loss of gloss, and a little surface chalking
Dangerous substances:	NPD

Legend for Resistance to severe chemical attack: groups numbers and related descriptions as per EN 13529	
<b>Group 9:</b>	<b>Aqueous solutions of organic acids up to 10%</b>
<b>Group 10:</b>	<b>Inorganic acids up to 20% and salts with acid hydrolysis in an aqueous solution (pH &lt; 6) except for the hydrofluoric acid and oxidizing acids and their salts</b>
<b>Group 12:</b>	<b>Solutions of inorganic non-oxidizing salts with pH = 6 - 8</b>

<b>7   REACH information</b>	the information referred to Article 31 or, as appropriate, to Article 33 of the REACH Regulation (EC) no. 1907/2006 and the following amendments are indicated in the safety data sheet that TECNOPOL makes available on the website along with this current Declaration of Performance
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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 **David Pont – Technical Service Manager**


**Les Franqueses del Vallès,**

**26/03/2020**



DoP in Pdf format is available on the Tecnopol website.

<i>Revision 0 notes:</i>	<i>First issue</i>
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 0370, 0497	 <b>TECNOPOL SISTEMAS, S.L.U., Finlàndia, 33 08520 Les Franqueses del Vallés – Barcelona-Spain – <a href="http://www.tecnopolgroup.com">www.tecnopolgroup.com</a></b>																														
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**Note:**

TECNOPOL SISTEMAS S.L.U supplies the current annex along with the DoP to make the consultancy of the CE marking easier for 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.