

DECLARATION OF PERFORMANCES

DOP N°001-2024-01

1. Unique identification code of the product-type: **CO3-S-01**

Commercial name : **HYBRIS, THERMO AIR, HYBRIS 33**

2. Intended use/es:

Building thermal insulation product with external surface acting as a vapour control layer

3. Manufacturer :

ACTIS S.A.

30 Avenue de Catalogne

F-11300 LIMOUX

www.actis-isolation.com

4. Authorised representative: **Non applicable**

5. System/s of AVCP: **Système 3**

6. a/ Harmonised standard : **Non applicable**

b/ European Assessment Document: EAD-004007-00-1201 (Décembre 2015)

European Technical Assessment: **ETA -18/0357 délivré 09/02/2024**

Technical Assessment Body: CSTB Centre Scientifique et Technique du Bâtiment (TAB)

Notified body/ies:

- **VTT Technical Research Centre of Finland (NB0809)**
- **LNE Laboratoire National de et d'Essais (NB0071)**
- **IBP Fraunhofer-Institut für Bauphysik (NB1004)**

ACTIS

INNOVER POUR MIEUX ISOLER

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7. Declared performance/s :

Essential characteristics	Standard	Performances																																																
		HYBRIS, THERMO AIR, HYBRIS 33																																																
Fire reaction Euroclass characteristics		F																																																
Water vapour transmission	EN 12572	Sd > 90 m																																																
Thickness range	EN 823	50 à 250 mm																																																
Declared core thermal resistance	EN 12667	<p>Non ventilated air gap thermal resistance calculation according to EN ISO 6946</p> <table border="1"> <thead> <tr> <th>Thickness (mm)</th> <th>R_{core} (m².K/W)</th> <th>R + 1 air gap (m².K/W)</th> </tr> </thead> <tbody> <tr><td>50</td><td>1,50</td><td>2,15</td></tr> <tr><td>60</td><td>1,80</td><td>2,45</td></tr> <tr><td>75</td><td>2,25</td><td>2,90</td></tr> <tr><td>90</td><td>2,75</td><td>3,35</td></tr> <tr><td>105</td><td>3,20</td><td>3,85</td></tr> <tr><td>125</td><td>3,80</td><td>4,45</td></tr> <tr><td>140</td><td>4,25</td><td>4,90</td></tr> <tr><td>155</td><td>4,70</td><td>5,35</td></tr> <tr><td>170</td><td>5,15</td><td>5,80</td></tr> <tr><td>185</td><td>5,65</td><td>6,25</td></tr> <tr><td>195</td><td>5,95</td><td>6,60</td></tr> <tr><td>205</td><td>6,25</td><td>6,90</td></tr> <tr><td>220</td><td>6,70</td><td>7,35</td></tr> <tr><td>235</td><td>7,15</td><td>7,80</td></tr> <tr><td>250</td><td>7,60</td><td>8,25</td></tr> </tbody> </table> <p>air gap 20 mm, horizontal flux in a 20 °C room and external air at 0°C</p>	Thickness (mm)	R _{core} (m ² .K/W)	R + 1 air gap (m ² .K/W)	50	1,50	2,15	60	1,80	2,45	75	2,25	2,90	90	2,75	3,35	105	3,20	3,85	125	3,80	4,45	140	4,25	4,90	155	4,70	5,35	170	5,15	5,80	185	5,65	6,25	195	5,95	6,60	205	6,25	6,90	220	6,70	7,35	235	7,15	7,80	250	7,60	8,25
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Declared emissivity	EN 16012	≤ 0,06 / 0,1																																																

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Essential characteristics		Standard	Performances
		HYBRIS, THERMO AIR, HYBRIS 33	
Biological resistance		NPD	
Chemical additives retention		NPD	
Corrosion resistance		NPD	
Compressive creep		NPD	
Pointwise load strength		NPD	
Peel strength of tape before/after ageing		EN ISO 11339	> 20 N/100 mm
Tensile strength before / after ageing	Product resistance	EN 1608	Longitudinal > 45 kPa Transversal > 30 kPa
	Product resistance with tape		> 80 N/100 mm
Tensile strength perpendicular to faces		NPD	
Resistance to tearing, nail shank before/after ageing		EN 12310-1	> 150 N
Surface mass (density)		EN 1602	7,2 kg/m ³
Water uptake		NPD	
Compressive strength		NPD	
Dimensional stability		NPD	
Emission of dangerous substances		None	

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8. Appropriate Technical Documentation and/or Specific Technical Documentation: Non applicable

The performance of the product identified above is in conformity with the set of declared performance/s. 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:

Laurent THIERRY
Chairman / Managing Director

At Limoux, on 29/03/2024



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