



DECLARATION OF PERFORMANCES - DOP Nº 91 – PiAA70 - PLENUTHERM

- 1. Unique identification code of the product-type:**
PiAA70 - PLENUTHERM
- 2. Type, batch or serial number or any other element allowing identification of the construction product, as required pursuant to Article 11(4):**
PiAA70 - PLENUTHERM (see product label)
- 3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:**
Thermal insulation products for building equipment and industrial installations (ThIBEI).
- 4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):**
TERMOLAN – ISOLAMENTOS TERMO-ACÚSTICOS, S.A.
Av. de Poldrões, nº10 – Apartado 11
4795-006 Vila das Aves – Portugal
- 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):**
Not applicable
- 6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:**
AVCP system 1 for reaction to fire
AVCP system 4 for the remaining characteristics
- 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:**
The RISE – Research Institutes of Sweden (laboratory of the notified body nº: 0402) determined the product-type on the basis of the initial type testing (ITT), including sampling, an initial inspection of the manufacturing plant and factory production control, monitoring, assessment and approval of factory production control, under system 1, and issued the corresponding conformity certificate.
- 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:**
Not applicable

9. Declared performance:

Harmonised technical specification EN 14303:2009 + A1:2013

Essential Characteristics		Performance
Reaction to fire - Euroclass characteristics	Reaction to fire	A1
Acoustic absorption index	Acoustic absorption	NPD
Thermal resistance	Thermal conductivity (λ)	0,039
	50 °C 100 °C 150 °C 200 °C	0,046 0,055 0,066
	Thickness Tolerance	min.40 max. 120 T4
Water permeability	Water absorption	WS1
Water vapour diffusion resistance	Water vapour diffusion resistance	NPD
Compressive strength	Compressive stress or compressive strength	NPD
Rate of release of corrosive substances	Trace quantities of watersoluble ions Cl Trace quantities of watersoluble ions F Trace quantities of watersoluble ions SiO ₃ Trace quantities of watersoluble ions Na PH value	NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD a)
Continuous glowing combustion	Continuous glowing combustion b)	NPD
Durability of fire reaction against ageing/degradation	Durability characteristics	e)
Durability of thermal conductivity against ageing/degradation at high temperatures	Thermal Conductivity	d)
	Thickness and tolerance	See above
	Dimensional stability or maximum service temperature	NPD ST 400
Durability of fire reaction at high temperatures	Durability characteristics	d)
	Durability characteristics	e)

- a) Informative database is available concerning European and National dispositions relating to dangerous substances in EUROPA construction domain: http://ec.europa.eu/enterprise/construction/internal/dangsub/dangmain_en.htm;
- b) Awaiting complete definition of European test methods and standards (in development);
- c) The fire performance of stone wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time;
- d) The thermal conductivity of stone wool does not vary with time. The accumulated experience shows the fibrous structure to be stable and the porosity contains no gases other than those on atmospheric air;
- e) The fire performance of stone wool does not deteriorate with high temperature. The Euroclass classification of the product is related to the organic content, which remains constant or decreases with high temperature.



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DOP – DECLARATION OF PERFORMANCES
In accordance with Regulation (EU) 305/2011 of March 9th

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer and electronically by:

General Manager

Vila das Aves, February, 18, 2021.

TERMOLAN
ISOLAMENTOS TERMO-ACÚSTICOS, S.A.