



DECLARATION OF PERFORMANCE

Regulation (EC) No. 305/2011 of the European Parliament and of the Council (CPR)
No. 01/2014/TI/AE

1. Unique identification code of the product type
Not applied

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11 (4):

AERO-THERM

internal thin-layer reflective coating plaster

3. Intended use or intended uses of the construction product in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

for use as a thermal reflective coating of internal wall and ceiling structures of buildings

4. Name, company or registered trade mark and contact address of the UK & Ireland distributor as required pursuant to Article 11 (5):

Aero-Therm Products Limited
Riverside
Jubilee Way
Wakefield
WF4 4TD
Company Reg. Number: 8491718

The product is manufactured by:

THERMO INDUSTRY, a.s.
Na Spravedlnosti 1533
Zelené Předměstí
530 02 Pardubice
Czech Republic
Company Reg. Number: 287 81 481

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12 (2): *Not applied*

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: **3**

7. In case of the declaration of performance concerning a construction product covered by the harmonized standard:

EN 15824

the manufacturer of the product has performed the type testing in the presence of the Notified Body (NB)1020 and Technical Assessment Body (TAB) Technical and Test Institute for Construction Prague, state enterprise (Technický a zkušební ústav stavební Praha, s. p.), Prosecká 811/76 and , 190 00 Prague 9 – Prosek, Czech Republic, Company Reg. Number 00015679.

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued: *Not applied*



9. Declared performance:

Basic characteristics	Performance/class	Harmonized technical specification
Water vapour permeability EN ISO 7783-2	V2 mean	EN 15824
Water permeability EN 1062-3	W1 high	EN 15824
Bond strength EN 1542	≥ 1.00 MPa	EN 15824
Durability	NPD	EN 15824
Thermal conductivity λ (W/mK) EN 12667	0.047	EN 15824
Reaction to fire EN 13501-1+A1	A2 - s1, d0	EN 15824

10. Specific technical documentation: *Not applied*

11. 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 distributor identified in point 4.

Signed on behalf of the UK & Ireland distributor:

Mr Craig Clement,
Managing Director, Aero-Therm Products Limited
Wakefield, England, 12 June 2015



Annex 1: CE label – product marking (CE mark)



Aero-Therm Products Limited
Riverside
Jubilee Way
Wakefield
WF4 4TD
Company Reg. Number: 8491718

Declaration of Product Performance No.

01_2015/1

AERO-THERM

internal thin-layer reflective coating plaster
14

EN 15824

Water vapour permeability	EN ISO 7783-2 class V2 - mean
Water permeability	EN 1062-3 class W1 - high
Durability	NPD
Thermal conductivity (EN 12667):	$\lambda_D \leq 0,047$ W/mK
Bond strength (EN 1542)	$\geq 1,0$ MPa
Reaction to fire (EN 13501-1+A1):	Class A2 -s1, d0



Annex 2 – other characteristics and performance of the product

Characteristics	Performance /class	Technical specification
Adhesion for application onto structures and parts - Steel - Stainless steel	0.5 +/- 0.1 (Mpa) 0.6 +/- 0.1 (Mpa)	CSN EN ISO 4624
Thermal absorption of material, drop of contact temperature and assessment according to ČSN 730540-2	Conforms	ČSN 730540-2
Specific thermal capacity Cp according to ČSN EN ISO 11357-1 at 22 °C	1,213(J/g.0C)	(ČSN) EN ISO 11357-1 (ČSN) EN ISO 11357-4
Diffusion resistance factor μ	142.9 (-)	(CSN) EN ISO 7783
Emissivity ϵ , spherical emissivity at the temperature of 20 °C (Taylor method)	0,93 (-)	Mid IR Integrat IT # /PIKE Technologies/ Taylor method /diffusion reflex integration sphere/
Diffusion equivalent air layer thickness s_d	0,19 (m)	(ČSN) EN ISO 7783-2
Fire-technical characteristics – index of flame spreading over the surface of building materials i_s	0 (mm/min)	ČSN 73 0863
Density (Volumic mass) ρ_v Areal density for 1mm layer thickness in dry state ρ_s	0,325 g/ml 0,184 kg/m2	(ČSN) EN ISO 787-10 (ČSN) EN ISO 1183-1,part B (ČSN) EN ISO 2811-1 Technical data sheet of the manufacturer
Presence of dangerous substances	None present	None of the chemicals listed by the European Chemical Agency published in accordance with Article 59(10) of the REACH Regulation as listed http://echa.europa.eu/candidate-list-table are present in Aero-Therm
Radionuclide content Specific activity ^{226}Ra , Specific activity index of use for structures with living or stay rooms - max. 150 Bq/kg ,	max. 1 conforms	Decree No. 307/2002 Coll. of the State Office for Nuclear Safety, on radiation protection, as amended by Decree No. 499/2005 Coll. and Decree No. 389/2012 Coll.
Volatile organic compounds emission (VOC), Influencing of sensory properties of some foodstuff Sensory assessment of odour (ČSN) EN 1230-1	conforms within the scope of the performed tests for use in interiors of buildings and for indirect contact with foodstuffs in interiors of buildings degree 0	Regulation No. 1935/2004 of the European Parliament and of the Council Decree No. 38/2001 Coll., on Hygienic Requirements for Products Intended for Contact with Foodstuffs and meals



List of bodies performing individual additional performance tests:

Accredited Testing Laboratory (ATL)

- ATL No. 1007.6 – JSC Centre of Civil Engineering Prague (Centrum stavebního inženýrství a.s. Praha), Pražská 16/810, 100 42 Prague 10, Czech Republic
- ATL No. 1007.7 - JSC Centre of Civil Engineering Prague, Pražská 16/810, 100 42 Prague 10, Czech Republic
- ATL No. 1105 - JSC SYNPO (SYNPO,a.s.), Department of Analytical and Physical Chemistry, S.K.Neumannova 1316, 530 02 Pardubice, Czech Republic
- ATL No. 1206 – The National Institute of Public Health, Centre of Laboratory Activities, Šrobárova 48, 100 42 Prague 10, Czech Republic

Technical Assessment Body (TAB), Authorised Body (AB)

- AO204 Technical and Test Institute for Construction Prague, state enterprise (Technický a zkušební ústav stavební Praha, s.p.), Prosecká 811/76a , 190 00 Prague 9-Prosek, Czech Republic
- Brno University of Technology (VÚT Brno), Faculty of Civil Engineering, Institute of Technology of Building Materials and Components, 602 00 Brno, Veveří 95 , Czech Republic
verification of coating compositions, renovation materials and products for manufacturers and customers #
Ordering party of measurement
(Technical and Test Institute for Construction Prague, state enterprise, Prosecká 811/76 a , 190 00 Prague 9 – Prosek, Czech Republic)