



DECLARATION OF PERFORMANCE

KNAUF Therm ETIXX facade λ 31 d_N 150 (TYPE EPS S)

No. 21/150/KA/2017

1. Unique identification code of the product type:	KNAUF Therm ETIXX faade λ 31 d _N 150 (TYPE EPS S) EPS-EN 13163-T(2)-L(2)-W(2)-S(5)-P(5)-BS100-DS(N)5-DS(70,-)2-TR100
2. Intended use:	Thermal insulation in the construction industry
3. Manufacturer:	Knauf Industries Polska Sp. z o.o. Plant: Adamowice ul. Styropianowa 1, 96-320 Mszczonów
4. Authorized representative:	Not applicable
5. System or systems of assessment and verification of constancy of performance:	System 3
6a. Harmonized standard:	EN 13163:2012+A1:2015.
Notified body or bodies:	Building Research Institute (ITB) – Notification No. 1488
6b. European assessment document:	Not applicable
European technical assessment:	Not applicable
Technical assessment body	Not applicable
Notified body or bodies:	Not applicable

7. Declared performance:			
Essential characteristics	Performance	Declared class/level/NPD ^{a)}	Harmonized technical specification
Thermal resistance	Thermal resistance and thermal conductivity	$R_D \geq 4.65 \text{ m}^2\text{K/W}$ $\lambda_D \leq 0.031 \text{ W/mK}$	EN 13163:2012+A1:2015
	Thickness [mm]	T(2) ($\pm 2 \text{ mm}$) $d_{N-150} [\text{mm}]$	
Reaction to fire	Reaction to fire	E	
Durability of reaction to fire against heat, weathering, aging/degradation	Performance stability ^{b)}	E	
Durability of thermal resistance against heat, weathering, aging/degradation	Thermal resistance and thermal conductivity ^{c)}	$R_D \geq 4.65 \text{ m}^2\text{K/W}$ $\lambda_D \leq 0.031 \text{ W/mK}$	
	Performance stability	NPD	
Compressive strength	Compressive stress at 10% deformation CS(10) [kPa]	NPD	
Tensile/flexural strength	Bending strength BS [kPa]	BS 100 ($\geq 100 \text{ kPa}$)	
	Tensile strength perpendicular to faces TR [kPa]	TR 100 ($\geq 100 \text{ kPa}$)	
Durability of compressive strength against aging and degradation	Compressive creep CC [%]	NPD	
	Freeze-thaw resistance [%]	NPD	
	Long term thickness reduction [mm]	NPD	
Water permeability	Long term water absorption by immersion WL(T)	NPD	
	Water absorption by diffusion WD(V)	NPD	
Water vapor permeability [μ]	Water vapor transmission [μ]	NPD	
Impact noise transmission index (for floors)	Dynamic stiffness SD [MN/m^3]	NPD	
	Thickness d_L [mm]	NPD	
	Compressibility CP [mm]	NPD	
Continuous glowing combustion	Continuous glowing combustion ^{d)}	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances to the indoor environment ^{d)}	NPD	

^{a)} NPD – no performance determined;
^{b)} Fire performance of EPS does not change in time;
^{c)} Thermal conductivity does not change in time;
^{d)} European testing methods are under development;



Information about hazardous substances is included in the Material Safety Data Sheet.

8. Relevant technical documentation or special technical documentation:

Not 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.

[full name]

Grzegorz Pęsiek

in [place]

Adamowice

on [date of issue]

May 17, 2017

[signature]

A handwritten signature in blue ink, consisting of a large, stylized 'G' followed by a vertical line and a small flourish at the bottom.