

1. Unique product identification code of the product-type:  
THERMO FASADA EXTRA EPS 70  
EPS 70  
EPS-EN 13163-T(1)-L(2)-W(2)-Sb(5)-P(5)-BS115-CS(10)70-DS(N)2-DS(70,-)2-TR100
2. Intended use/es:  
Thermal insulation for buildings
3. Manufacturer:  
ARSANIT sp. z o.o.  
ul. Obwodowa 17  
PL 41-100 Siemianowice Śląskie
4. System/s of AVCP:  
AVCP 3
5. Harmonised standard:  
EN 13163:2012+A1:2015
- 5a. Notified body/ies:  
INSTYTUT TECHNIKI BUDOWLANEJ (ITB) – Notification number 1488
6. Declared performance/s:

Essential Characteristics	Performance	Declared class/ level/limit value/NPD**	Harmonised technical specification
Thermal resistance	Thermal resistance and thermal conductivity Thickness	$R_D$ see table below $\lambda_D \leq 0,038$ [W/m·K] T(1) ( $\pm 1$ mm) $d_N$ see table below 10÷300 mm	EN 13163:2012+A1:2015
Reaction to fire	Reaction to fire	E	
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics*	E	
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance and thermal conductivity	$R_D^*$ see table below $\lambda_D^* \leq 0,038$ [W/m·K]	
	Durability characteristics	DS(70,-)2 relative thickness change ( $\leq 2\%$ )	
Compressive strength	Compressive stress or compressive strength	CS(10)70 ( $\geq 70$ kPa)	
Tensile/Flexural strength	Bending strength	BS115 ( $\geq 115$ kPa)	
	Tensile strength perpendicular to faces	TR100 ( $\geq 100$ kPa)	
Durability of compressive strength against ageing/degradation	Compressive creep	NPD	
	Freeze-thaw resistance	NPD	
	Long term thickness reduction	NPD	
Water permeability	Long term water absorption by immersion	NPD	
	Long term water absorption by diffusion	NPD	
Water vapour permeability	Water vapour transmission	NPD	
Impact noise transmission index (for floors)	Dynamic stiffness	NPD	
	Thickness, $d_L$	NPD	
	Compressibility $c$	NPD	
Continuous glowing combustion	Continuous glowing combustion	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD	

\* The property does not deteriorate with time

\*\* NPD No Performance Determined

#### Declared thermal resistance

Panel thickness $d_N$ [mm]	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Thermal resistance $R_D$ [m <sup>2</sup> ·K/W]	0,25	0,50	0,75	1,05	1,30	1,55	1,80	2,10	2,35	2,60	2,85	3,15	3,40	3,65	3,90
Panel thickness $d_N$ [mm]	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
Thermal resistance $R_D$ [m <sup>2</sup> ·K/W]	4,20	4,45	4,70	5,00	5,25	5,50	5,75	6,00	6,30	6,55	6,80	7,10	7,35	7,60	7,85

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:

Jacek Świtalski

At Siemianowice Śląskie on 09.10.2018

Szef Działu Badań i Rozwoju  
ARSANIT Sp. z o.o.

Jacek Świtalski