

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

THERMO AQUA  
 EPS 120  
 EPS-EN 13163-T(1)-L(2)-W(2)-Sb(2)-P(5)-BS170-CS(10)120-DS(N)2-DS(70,-)1-DLT(1)5-WL(T)4

**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 $\lambda_D \leq 0,036$ [W/m·K] T(1) ( $\pm 1$ mm) $d_N$ see table below 50+200 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 $\lambda_D^* 0,036$ [W/m·K]	
	Durability characteristics	DS(70,-)1 relative thickness change ( $\leq 1\%$ )	
Compressive strength	Compressive stress or compressive strength	CS(10)120 ( $\geq 120$ kPa)	
Tensile/Flexural strength	Bending strength	BS170 ( $\geq 170$ kPa)	
	Tensile strength perpendicular to faces	NPD	
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	WL(T)4 ( $\leq 4,0\%$ )	
	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]	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
Thermal resistance $R_D$ [ $m^2 \cdot K/W$ ]	1,35	1,65	1,90	2,20	2,50	2,75	3,00	3,30	3,60	3,85	4,15	4,40	4,70	5,00	5,25	5,55

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

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

At Siemianowice Śląskie on 09.10.2018

Jacek Świtalski