

**DECLARATION OF PERFORMANCE (DoP)**

Nº DoP: XPS-500-001

24/03/2017

VERSION 06

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

Extruded polystyrene foam: XPS-EN13164-T1-CS(10\Y)500-WL(T)0,7-DS(70-)

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

DANOPREN 500

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

Thermal Insulation for Buildings (ThIB)

**4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5) of the CPR:**

DANOSA- POL. IND. SECTOR 9-19290 FONTANAR-GUADALAJARA (SPAIN)

Tel.: +34 949 88 82 10 - info@danosa.com

**5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2) of the CPR:**

Not relevant

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

3 (EN 13164:2012) (FPC+ITT)

**7. Products covered by a harmonised standard: Name and number of the notified body:**

AFITI/1168

CEIS/1722

8. Declared performance:

Essential Characteristics	Performance		Harmonized Technical Specification
<b>Thermal resistance / Thermal conductivity</b>	$R_D$ [m <sup>2</sup> K/W]	$\lambda_D$ [W/m·K]	
Thickness: 40 mm	1,20	0,034	
Thickness: 50 mm	1,50	0,034	
Thickness: 60 mm	1,80	0,034	
Thickness: 70 mm	1,95	0,036	
Thickness: 80 mm	2,20	0,036	
Thickness: 90 mm	2,45	0,037	
Thickness: 100 mm	2,75	0,037	
	Thickness tolerance	T1	
Reaction to fire	E		
Durability of the fire reaction against heat, weathering, ageing / degradation	Durability	(1)	
Durability of the thermal resistance against heat, weathering, ageing / degradation	Durability	DS(70)	
Compressive strength	Compressive strength	CS(10\Y)500	
Tensile / flexural strength	Tensile strength perpendicular to faces	NPD	
Durability of compressive strength against ageing / degradation	Compressive creep	NPD	
Water permeability	Long-term water absorption after total immersion	WL(T)0,7	
Water vapour permeability	Water vapour transmission	NPD	
Release of dangerous substances	(2)		
Continuous glowing combustion	(2)		


(1) The fire performance of XPS does not deteriorate with time.

(2) European test methods are under development.

NPD: No Performance Determined

9. The performances of the product identified in points 1 and 2 are in conformity with the declared performance in point 8.

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

Name and function	Place and Date of issue	Signature
Carlos Castro Martín, technical expert for thermal insulation	Fontanar-Guadalajara (Spain)	
	24/03/2017	