

DECLARATION OF PERFORMANCE (DoP)

Nº DoP: DANOLOSA-001

26/12/2018

VERSION 01

1. Unique identification code of the product-type:

Extruded polystyrene foam: XPS-EN13164-T1-CS(10\Y)200-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:

DANOLOSA

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

Inverted roof kits based on XPS with cement mortar protective finishing, according to ETAG 031-2

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:

2+ (ETAG 031-2)

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

ETE 18/0328. Instituto de Ciencias de la Construcción Eduardo Torroja (IETcc)

8. XPS declared performance:

Essential Characteristics	Performance		Harmonized Technical Specification
Thermal resistance / Thermal conductivity	R_D [m ² K/W]	λ_D [W/m·K]	EN 13164:2012 + A1:2015
Thickness: 40 mm	1,20	0,034	
Thickness: 50 mm	1,50	0,034	
Thickness: 60 mm	1,80	0,034	
	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)300	
Tensile / flexural strength	Tensile strength perpendicular to faces	NPD	
Durability of compressive strength against ageing / degradation	Compressive creep	CC(2/1,5/25)50	
Water permeability	Long-term water absorption after total immersion	WL(T)1,5	
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

Concrete declared performance:

Fire reaction	A1		EN 13501-1
External fire performance	Broof(t1, t2, t3) without additional test required once the covering comply with: Sand/cement screed to a thickness of at least 30 mm		2000/553/EC decision
Compressive strength	12,5	MPa	EN 12390-3
Flexural resistance	≥ 1,6	MPa	EN 1339
Tensile bond strength	≥ 80	kPa	ETAG 004 + EN 1607
Point loading resistance (static indentation)	No degradation of the concrete screed		ETAG 004 + EOTA TR 007
Hard body impact resistance	No degradation of the concrete screed		ETAG 004 + EOTA TR 001
Slipperiness / wear resistance	≥ 35 (65/60)	4 S - CEN rubber slider (dry/wet)	EN 13036-4

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)	
	26/12/2018	