

DECLARATION OF PERFORMANCE (DoP)

Nº DoP: DANOLOSA-001

15/11/2022

VERSION 03

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); 1219-CPR-192

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

ETE 18/0328. TAB: 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 |

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

This DoP 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:

| Name and function | Place and Date of issue | Signature |
|---|------------------------------|---|
| Carlos Castro Martín, technical responsible | Fontanar-Guadalajara (Spain) |  |
| | 15/11/2022 | |