

DECLARATION OF PERFORMANCE

DoP N°:ES0002-009 (en)

1. Unique identification code of the product-type:

H0102
CLIMAVER A2 APTA
(See also product label for traceability)

2 Intended use (according harmonised technical specification):

EN 14303:2009+A1:2013: Thermal insulation of Building Equipment and Industrial Installations (ThIBEI)
EAD 360001-00-0803: Ventilation system made of mineral wool covered with film on outside and inside

3 Name, registered trade name and contact address of the manufacturer:

Saint-Gobain Cristaleria, S.L.
Av. Del Vidrio s/n, 19200 Azuqueca de Henares (Guadalajara-España)
www.isover.es

4 Name and contact address of the authorised representative:

Not applicable

5 System(s) of Assessment and Verification of Constancy of Performance of the construction product:

AVCP System 1 for Reaction to fire.
AVCP System 3 for other characteristics.

6 Case a construction product covered by a harmonised standard:

Asociación Española de Normalización y Certificación, AENOR (Notified Body n° 0099).
performed the determination of the product-type on the basis of type testing (including sampling); initial inspection of the manufacturing plant and of factory production control; continuous surveillance, assessment and evaluation of factory production control; under system 1. and issued a certificate of constancy of performance according EN 14303:2009+A1:2013

Centro de ensayos, innovación y servicios, CEIS (Notified Body n°1722) and FIW (Notified Body n°0751),
performed the determination of the product-type on the basis of type testing (based on sampling carried out by the manufacturer), under system 3.
They issued the relevant test reports.

7 Case of a construction product for which a European Technical Assessment has been issued:

The Catalonia Institute of Construction Technology (Notified Body n°1220) has performed the assessment in accordance with the European Assessment Document EAD 360001-00-0803 (October 2016) for Ventilation system of mineral wool covered with film on outside and inside and issued the ETA 20/01233 of 18.03.2020.

8 Declared performance:

- a. All characteristics listed in the table hereunder are determined in harmonised standard EN14303:2009 +A1:2013

| Essential characteristics | | Performance |
|--|--|----------------------------------|
| Reaction to fire - Euroclass Characteristics | | A2-s1,d0 |
| Acoustic absorption index | Sound absorption | 0,70-0,90 |
| Thermal resistance | Thermal Conductivity (λ) | |
| | 10 °C 20 °C 40 °C 60 °C | 0,032 0,033 0,036 0,038 |
| | Dimensions Tolerances | 40mm 50 mm T5 |
| Water permeability | Water absorption | NPD |
| Water vapour permeability | Water vapour diffusion resistance | MV1 |
| Compressive strength | Compressive stress or compressive strength for flat products | NPD |
| Rate of release of corrosive substances | Trace quantity of ions Cl ⁻ | NPD |
| | Trace quantity of ions F ⁻ | NPD |
| | Trace quantity of ions SiO ₃ ⁺ | NPD |
| | Trace quantity of ions Na ⁺ | NPD |
| | Value of pH | NPD |
| Release of dangerous substances to the indoor environment | Release of dangerous substances | NPD (a) |
| Continuous glowing combustion | Continuous glowing combustion (b) | NPD |
| Durability of reaction to fire against ageing/degradation | Durability characteristics | (e) |
| Durability of thermal resistance against ageing/degradation and against high temperature | Thermal Conductivity | (d) |
| | Dimensions and tolerances | See above |
| | Dimensional stability, or Maximum Service Temperature | NPD |
| | Thermal Conductivity | (d) |
| Durability of reaction to fire against high temperature | Durability characteristics | (e) |
| Durability of thermal resistance against high temperature | Durability characteristics | (d) |
| | Maximum Service Temperature, Dimensional stability | NPD» |

(a) An informative database of European and national provisions on dangerous substances is available at the Construction web site on EUROPA (accessed through <http://ec.europa.eu/enterprise/construction/cpd-ds/>).

(b) A European test method is under development and the standard will be amended when this is available.

(c) The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time.

(d) Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.

(e) The fire performance of mineral wool does not deteriorate with high temperature. The Euroclass classification of the product is related to the organic content, which remains constant or decreases with high temperature

- b) The assessment of CLIMAVER® HVAC duct system has been performed in accordance with EAD 360001-00-0803 for Ventilation system made of mineral wool covered with film on outside and inside (October 2016) with non-harmonized standards EN 13403.

| Basic requirement | Essential characteristic | Performance | Technical Specification |
|-------------------------------------|--|----------------------------|-------------------------|
| Hygiene, health and the environment | Erosion | No damage ⁽¹⁾ | EAD 360001-00-0803 |
| | Emission of particles | Below limit ⁽²⁾ | |
| | Microbiological growth | None ⁽³⁾ | |
| | Stiffness | NPA | |
| | Bulging and/or caving - During the test | 0,0 mm (0 %) | |
| | Bulging and/or caving - After load relieving | 0,0 mm (0 %) | |
| | Dimensional tolerances - Length | ± 1,5 % | |
| | Dimensional tolerances Width | ± 2,0 % | |
| | Resistance against pressure | No damage ⁽⁴⁾ | |
| | Tightness | Class D ⁽⁵⁾ | |

(1) The material from the inside surface of the ductwork does not flake off, break away and does not show evidence of delamination or erosion.

(2) All CLIMAVER® variants fulfil requirements of clause 7.2 of EN 13403.

(3) No sign of deterioration in the wall structure, no mould spread beyond the inoculated area and no significant growth of mould.

(4) No rupture (breaks, tears, rips or any other opening), no displacement of joint adhesive tapes, no evidence of any other type of damage.

(5) All CLIMAVER® variants are class D according to EN 1507.

- c) The performance of the product identified in point 1. is 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.



Esther Soriano Hoyuelos

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