

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 20/0122 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 0,039
	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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