

Leistungserklärung / Declaration of Performance / Déclaration des performances **Climaver A2 neto**

Version 002

1. Eindeutiger Kenncode / Unique identification code / Code d'identification unique:

CLIMAVÉR® A2 neto
CLIMAVÉR® HVAC duct system

2. Vorgesehener Verwendungszweck / Intended use / Usage prévu:

EN 14303:2009+A1:2013: Wärmedämmstoffe für die technische Gebäudeausrüstung und für betriebstechnische Anlagen in der Industrie / Thermal insulation products for building equipment and industrial installations / Produits isolants thermiques pour l'équipement du bâtiment et les installations industrielles (ThIBELL)
EAD 360001-00-0803: Ventilation system made of mineral wool covered with film on outside and inside

3. Hersteller / Manufacturer / Fabricant:

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

4. Bevollmächtigter / Authorised representative / Contact du mandataire:

Saint-Gobain ISOVER G+H AG
Bürgermeister-Grünzweig-Strasse 1
D-67059 Ludwigshafen
www.isover.de

5. System(e) gemäß AVCP* / System(s) of AVCP* / Système(s) d'AVCP*:

System 1 für Brandverhalten / System 1 for Reaction to fire / Système 1 pour la réaction au feu
System 3 für die anderen Eigenschaften / System 3 for other characteristics / Système 3 pour les autres caractéristiques.

6. a) Europäische Norm / European standard / Norme européenne:

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.

b) Europäische Technische Bewertung / European Technical Assessment / Évaluation Technique Européenne:

The Catalonia Institute of Construction Technology (Notified Body n°1220) has been performed the assessment in accordance with the European Assessment Document EAD 360001-00-0803 (October 2016, Ventilation system of mineral wool covered with film on outside and inside) and issued the ETA 20/0122 of 18.03.2020.

* Siehe auch EN 13172 : 2012

7. Erklärte Leistung gemäß / Declared performance according to / Performances déclarées selon:

a) EN14303:2009 +A1:2013

Essential characteristics		Performance	AVCP
Product		CLIMAVER® A2 neto	
Reaction to fire - Euroclass Characteristics		A2-s1, d0	1
Acoustic absorption index	Sound absorption	NPD	
Thermal resistance	Thermal Conductivity (λ) 10 °C 20 °C 40 °C 60 °C	0,032 0,033 0,036 0,038	3
	Dimension et Tolerances	25 - T5	3
Water permeability	Water absorption	NPD	
Water vapour permeability	Water vapour diffusion resistance	MV1	3
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 (b)	
Durability of reaction to fire against ageing/degradation	Durability characteristics	(c)	
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	
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) EAD 360001-00-0803: October 2016

Basic requirement	Essential characteristic	Performance
Hygiene, health and the environment	Product	CLIMAVER® HVAC duct system
	Erosion	No damage ⁽¹⁾
	Emission of particles	Particles (µg/m ³) bigger than 0,5 µm → 0,006 bigger than 5,0 µm → 0,003 (CLIMAVER® A2 NETO) ⁽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	Leakage factor (l/s)/m ² - 750 Pa → 0,03 2000 Pa → 0,06 (CLIMAVER® A2 NETO) 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) Class according to EN 1507.

8.

Die Leistungen der vorstehenden Produkte entsprechen den erklärten Leistungen. Für die Erstellung der Leistungserklärung im Einklang mit der Verordnung (EU) Nr. 305/2011 ist allein der obengenannte Hersteller verantwortlich. /

The performances of the products identified above are in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above. /

Les performances des produits identifiés ci-dessus sont conformes aux performances déclarées. Conformément au règlement (UE) no 305/2011, la présente déclaration des performances est établie sous la seule responsabilité du fabricant mentionné ci-dessus.

Ludwigshafen, 30.03.2020


 J. Trappmann,
 Leiter Qualität, Arbeitssicherheit, Umwelt, Sicherheit /
 Director quality, environment, health, safety /
 Directeur qualité, environnement, santé, sécurité)


 (Dr. J. Perner, Qualitätsmanagement /
 Senior quality management /
 Responsable qualité)

