ISOVER
SAINT-GOBAIN

CLIMAVER® A2 Plus

CLIMAVER® Self-Supporting Ducts

A rigid panel made of high density **ISOVER** glass wool, covered on both sides with a matte aluminium sheet reinforced with glass mesh which acts as a vapour barrier and provides a greater mechanical resistance. The male edge is flanged on the inside with matte aluminium. It incorporates a glass veil on each side of the panel to provide increased rigidity.

Due to its excellent acoustic and good thermal performance, **CLIMAVER® A2 Plus** is the ideal solution. It is capable of satisfying the most stringent requirements in terms of reaction to fire, for the installation of self-supporting duct systems to distribute air in exposed thermal installations without a false ceiling for the air-conditioning and ventilation of buildings.

MECHANICAL RESISTANCE.
Stiffness, resistance to rupture and perforation.

FIRE RESISTANCE.
Maximum protection in case of fire.

AIR TIGHTNESS.
Class ATC1 according to new RITE regulation.

SOUND INSULATION.
Optimal acoustic ambient quality and comfort class.

EASY HANDLING.
Unique guiding mark lines for SDM cuts. Duct union continuity, thanks to the exclusive male/female leaning shiplaps of the panels.

RECYCLED GLASS.
Sustainable product. 100% recyclable. Recycled material 55%

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CLIMAVER® A2 Plus

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES				STANDARD
Thermal conductivity	T	[°C]	10	20	40	60	EN 12667 EN 12939
	λ	[W/(m•K)]	0.032	0.033	0.036	0.038	

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES								STANDARD
Practical acoustic absorption coefficient, α_p	-	Hz	α_w	125	250	500	1000	2000	4000	-	EN ISO 354 EN ISO 11654
	α_p	-	0,35	0.20		0.60	0.50	0.40	25		
Acoustic attenuation, in a straight duct, ΔL (DB/m)*	Section, S mm$_2$	200 x 200	-		2.21	10.27	7.96	5.82		-	
		300 x 400			1.29	5.99	4.64	3.40			
		400 x 500			0.99	4.62	3.58	2.62			
		400 x 700			0.87	4.04	3.13	2.29			
		500 x 1000			0.66	3.08	2.39	1.75			

Acoustic trials with plenum: AC3-D1-99 I.
* Estimated by the formula: $\Delta L = 1.05 \cdot \alpha p1.4 \cdot P/S$, (P = perimeter) for the sound power of a ventilator with a 20,000 m³/h flow, load loss 15 mm ca.

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Reaction to fire	-	Euroclass	A2-s1, d0	EN 13501-1 EN 15715
Resistance to the diffusion of water steam of mineral wool, μ	MV	m	1	EN 12086
Resistance to the diffusion of water steam of facing	Z	m²·h·P	> 140	EN 12086
Thickness of the air layer equivalent to water vapor diffusion, Sd	MU	m	100	EN 12086
Airtightness	-	Class	D Maximum class of watertightness (class ATC1) according to the new RITE regulation update.	UNE-EN 13403 EN 12237
Resistance to pressure	-	Pa	800	UNE-EN 13403
Dimensional stability, Δε	-	%	<1	EN 1604
Characteristics	-	-	Resistant to different cleaning methods. No proliferation of mould and bacteria.	-
Working conditions	-	-	Air speed up to 18 m/s and circulating air temperature up to 90°C.	-

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION						
Thickness d (mm)	**Length l (m)**	**Width b (m)**	**m²/pack**	**m²/pallet**	**m²/truck**	**Designation code**
25	3.00	1.19	21.42	299.88	2399	MW-EN 14303-T5-MV1

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