

## Self-supporting pre-insulated HVAC duct system for trains



TRAIN CLIMAVER® is a high density rigid mineral wool slab with shiplaps, faced externally with a reinforced kraft aluminium foil and internally with a black glass fabric of high tensile strength and resistance for cleaning methods according to UNE 100012.



### **FIRE REACTION**

EN 45545-2 - HL3 compliant



### **SOUND ABSORPTION**

Improved acoustic comfort due to its excellent sound absorption and sound insulation properties



### **THERMAL INSULATION**

Excellent thermal insulation



### **EASY HANDLING**

Resistant black glass fabric to allow cleaning and high level of air quality



### **FAST INSTALLATION**

One single operation;  
Straight Duct Method (SDM) for easy cutting; Lightweight system



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES				STANDARD
Thermal conductivity	T	[°C]	10	20	40	60	EN 12667
	$\lambda$	[W/(m·K)]	0.032	0.033	0.036	0.038	
Thermal behaviour	-	[°C]	Up to 290 °C in the black glass fabric face. In the aluminum face we recommend no more than 100 °C				EN 14706

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES							THICKNESS [mm]	STANDARD
Acoustic absorption	-	Hz	125	250	500	1000	2000	4000	-	-	ISO 354
	$\alpha$	-	0.05	0.25	0.70	0.90	0.95	0.95	-		
	$\alpha_w$		0.55						-		

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES				STANDARD
Reaction to fire	-	-	EN 45545-2 (R1): HL3 compliant (CIT = 0.00) Summary of results upon request British Standard BS: Class Ia, Ib and II M0 - F1 Non-combustible Euroclass A2, s1-d0				EN 45545-2 BS 476-Part 6 and 7 BS 6853-1999 NF F 16-101 EN 13501-1
Application field	-	-	TRAIN CLIMAVER® slabs for assembling self-supporting ducts for heat and cold air distribution inside trains and railway rolling stock, specially indicated for high acoustic insulation and fire safety requirements				-
Water vapour resistance	-	m <sup>2</sup> ·h·Pa/mg	100 (Kraft Aluminium face)				-

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION\*

Length [m]	Width b [m]	Thickness d [mm]	m <sup>2</sup> /pack	m <sup>2</sup> /pallet	m <sup>2</sup> /truck
3.00	1.19	25	24.99	299.88	2399

\* Products must be stored inside, in a dry and clean location.



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