



## TRAIN CLIMAVER®

### 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					STANDARD	
Acoustic absorption	-	Hz	125	250	500	1000	2000	4000	ISO 354
	$\alpha$	-	0.05	0.25	0.70	0.90	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 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				EN 14303
Water vapour resistance	-	m <sup>2</sup> ·h·Pa/mg	100 (Kraft Aluminium face)				EN 12086

### 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	2399.00

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



### [www.isover-technical-insulation.com](http://www.isover-technical-insulation.com)

The technical information corresponds to our present state of knowledge and experience at the date of printing (see imprint). But no legal guarantee can be given, unless it has been explicitly agreed. The state of experience and knowledge is developing continuously. Please see to it that you always use the latest edition of this information. The described product applications do not take special circumstances in consideration. Please verify whether our products are appropriate for the concrete application. For further information please contact our Isover sales offices. We deliver only according to our terms of trade and terms of delivery.

SAINT-GOBAIN ISOVER · Tour Saint-Gobain 12 place de l'Iris 92096 La Défense cedex - France