

## Self-supporting duct system for marine and offshore ventilation and air-conditioning systems



Made from dense and rigid glass wool boards, SEA CLIMAVER® self-supporting air ducts are a cost-effective, easy-to-install alternative to traditional insulated metal ducts.

Its superior thermal and acoustic performances insure a high level of comfort onboard.

Thanks to its lightness, SEA CLIMAVER will contribute to the reduction of CO2 emissions



### LIGHTWEIGHT

SEA CLIMAVER® reduces the weight of your HVAC ductwork by up to 65%.



### SOUND ABSORPTION

Superior acoustic protection to reduce noise transmission through the duct-or pipework system.



### FAST INSTALLATION

Easy cuts without risk of breakage during handling. Exclusive marking guide lines for cutting by MTR. Thanks to its light weight and high flexibility, it can be installed by one person without any special equipment.



### AIR TIGHTNESS

Secured air transport through the duct system and lower energy consumption thanks to reduced heat losses.



### RECYCLED GLASS

Recycled material content 80% of the product composition.



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES				STANDARD
Thermal conductivity	T	[°C]	10	20	40	60	EN 12667 EN 12939
	$\lambda_{N,P}$	[W/(m.K)]	0,032	0,033	0,036	0,038	

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES						STANDARD	
Sound absorption value	Frequency	Hz	125	250	500	1000	2000	4000	-	EN ISO 354 EN ISO 11654
	$\alpha$	-	0,35	0,65	0,75	0,85	0,9			
	$\alpha\omega$	-	0,85							
Acoustic attenuation, in a 2,4 m straight duct, dB	Section [mm]	200 x 300	125	250	500	1000	2000	-	-	ISO 11691
			44.7	68.4	66.3	43.6	19.6			

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES				STANDARD
Reaction to fire	-	-	Homologated for shipbuilding according to EC Type Examination External facing B Module No. MED296820CS/004 Mineral wool core B Module No MED296820CS/001 Internal facing B Module No. MED296820CS/003				IMO-Res. MSC.61(67)
Water vapour diffusion resistance factor	$\mu$	-	1				-
Water vapour diffusion equivalent Sd	Sd	m	100				EN 12086
Water vapour resistance (in m <sup>2</sup> ·h·Pa/mg)	Z	m <sup>2</sup> ·h·Pa/mg	140				EN 12086
Airtightness	-	-	Classe C				EN 1507 EN 12237
Resistance to pressure	-	Pa	1200				EN 13403
Dimensional stability	-	%	<1				EN 1604
Storage conditions	-	-	Products must be stored inside, in a dry and clean location				-
Miscellaneous	-	-	Fungistatic and inert to bacteria - test according to EN 13403. Tested to be easy to clean internally and facilitate maintenance operations.				EN 14303

#### DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION\*

Thickness d [mm]	Length [mm]	Width b [mm]	m <sup>2</sup> /pack	m <sup>2</sup> /pallet
25	3000	1.190	21.42	149.94



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

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*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.*

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