

Resilient and robust acoustical and thermal internal insulation of metal air ducts



CLIMLINER Slab CLEANTEC solution provides robust thermal and acoustic insulation to metal air ducts and HVAC equipment. This solution is used when both thermal and acoustic insulation is required simultaneously inside the air duct. CLIMLINER Slab CLEANTEC system can also be used inside ventilation units or for plenum boxes and for acoustic silencers.

CLIMLINER Slab CLEANTEC system is composed of CLEANTEC Slabs: glass wool slabs faced with durable glass fabric. This fabric will be installed in contact with the airstream, providing: High acoustic absorption: The inside facing ensures a high acoustic absorption. The inside facing constitutes a smooth surface, with high resistance to tearing (cleanable by brushing). No fibers in airstream. CLIMLINER Slab CLEANTECs are manufactured from inorganic chemically biosoluble materials and do not include anything that would have effect on corrosion and shall not facilitate microbial growth.



LIGHTWEIGHT

Lightweight for easy handling



MECHANICAL RESISTANCE

The inside facing constitutes a smooth surface, with high resistance to tearing (cleanable by brushing)



THERMAL INSULATION

The glass wool provides thermal insulation and reduces energy losses



SOUND ABSORPTION

The inside facing ensures a high acoustic absorption



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES				STANDARD
Thermal conductivity	T	[°C]	10	50	100	150	EN 12667
	λ	[W/(m·K)]	0.032	0.038	0.046	0.061	
Maximum service temperature	-	[°C]	<150°C				EN 14303

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES								STANDARD
Acoustic absorption	α	Hz	α _w	125	250	500	1000	2000	4000	-	EN ISO 354 EN ISO116
		-	0.6	0.70	0.85		0.90		25		
			0.65	0.13	0.38	0.8	0.98	30			
			0.7	0.16	0.5	0.89	1	1	40		
			1	0.2	0.65	1			1	50	
			0.7	1	1	1	1	100			

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Fire behaviour	-	-	Non combustible, Euroclass A2-s1, d0	EN 13501-1
Application field	-	-	ISOVER CLIMLINER Slab CLEANTEC provides topclass acoustical and thermal insulation for HVAC duct systems and equipment. Durable glass fabric facing and excellent compression resistance provides stibility and robustness which are easy to install.	EN 14303
CE marking	-	-	MW-EN 14303-T4-ST150	EN 14303
Quality management	-	-	ISOVER is certified according to EN ISO 9001 and EN ISO 14001	EN ISO 9001 EN ISO 14001
Delivery form	-	-	Standard dimensions (check product details and availability from your local ISOVER supplier)	-



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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