



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.###HARD_RETURN### 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 up to 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 |
| | α | - | 0,35 | 0,65 | 0,75 | 0,85 | 0,9 | | |
| | α_w | - | 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 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 | μ | - | 1 | | | | - |
| Water vapour diffusion equivalent Sd | Sd | m | 100 | | | | EN 12086 |
| Water vapour resistance (in m ² ·h·Pa/mg) | Z | m ² ·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. | | | | EN 14303 |
| Type approval certificates | - | - | EC-Type Examination MED-B (LFlame Spread): 69091/A0 MED exp. 13/12/2026 QAS MED-D Certificate: SMS.MED2.D/119/1.0 exp. 01/03/2026 | | | | |

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*

| THICKNESS D [MM] | LENGTH [MM] | WIDTH B [MM] | M2/PACK | M2/PALLET |
|------------------|-------------|--------------|---------|-----------|
| 25 | 3000 | 1190 | 21.42 | 149.94 |



www.isover-technical-insulation.com

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