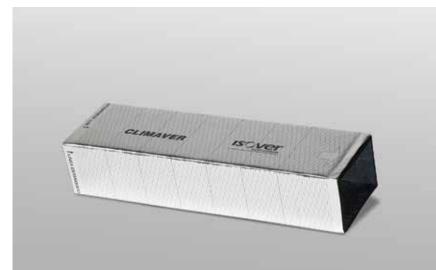


CLIMAVER® self-supporting duct system for airconditioning, ventilation and heating systems



CLIMAVER[®] is a self-supporting ductforair-conditioning, ventilation and heating and cooling systems.

CLIMAVER[®] offers superior thermal performance and high level of airtightness to keep your air fresh and making the system energy efficient.

CLIMAVER[®] Neto reduces noise levels generated by fans and air-conditioning units providing superior acoustic comfort to the building occupants.

THERMAL INSULATION

SOUND ABSORPTION

High class insulation keeps the medium temperature as designed and secures system operating with minimal losses

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

FAST INSTALLATION

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 bills thanks to reduced heat loss and fan energy wastage to compensate the effect of the leaks



RECYCLED GLASS

Recycled material content 80% of the product composition





| CHARACTERISTIC | SYMBOL | UNIT | QUANTITIES AND DECLARED VALUES | | | | | | STANDARD | | |
|---|----------------|-----------|--------------------------------|-------|-------|-------|----------|-------|----------|----------|--------------|
| Thermal conductivity | Т | [°C] | 10 | | 20 | | 40 | | 6 | 0 | EN 12667 |
| | λ | [W/(m·K)] | 0.032 | | 0.033 | | 0.036 | | 0.0 |)38 | EN 12939 |
| CHARACTERISTIC | S YMBOL | UNIT | QUANTITIES AND DECLARED VALUES | | | | | | | STANDARD | |
| | - | Hz | 125 | 250 | 500 | 1,000 | 2,000 | 4,000 | | | |
| Practical acoustic absorption coefficient, αΡ | α | | 0.35 | 0.65 | 0.75 | 0.85 | 0.90 | | | | |
| | a _w | - | 0.85 | | | 0.65 | 0.85 | | | | EN ISO 354 |
| Acoustic attenuation, in a straight duct, ΔL (DB/m)* | Section [mm] | 200 x 200 | 4.83 | 11.49 | 14.04 | 16.73 | 18 | .12 | | | EN ISO 11654 |
| | | 300 x 400 | 2.82 | 6.70 | 8.19 | 9.76 | 10.57 | | | | |
| | | 400 x 700 | 1.90 | 4.51 | 5.51 | 6.57 | 7. | 12 | | | |
| DL = 1.05 · ap1.4 · P/S For the sound powe 20,000 m³/h flow, load loss 1 | | | | | | | r with a | | - | | |

| CHARACTERISTIC | SYMBOL | UNIT | QUANTITIES AND DECLARED VALUES | STANDARD |
|-----------------------------|--------------------|------------|---|-----------------------------|
| Reaction to fire | - | - | Non combustible, Euroclass B-s1, d0 | EN 13501-1 EN 15715 |
| Application field | - | - | CLIMAVER [®] is a self-supporting duct for air-conditioning, ventilation and heating systems CLIMAVER [®] has been designed to offer excellent thermal perfor- mance, acoustics, fire safety and high level of air-tightness making the system energy efficient | EN 14303 |
| Airtightness | - | - | Class D | EN 1507 EN 12237 |
| Resistance to pressure | - | Pa | 800 | EN 13403 |
| Pressure losses | - | Pa | For normal HVAC system air speeds pressure drops are similar to metal ducts | - |
| Dimensional stability | - | % | Quantities and measured values : < 1 | EN 1604 |
| CE marking | - | - | CE marking designation code MW-EN14303-T5-MV1 | EN 14303 |
| Water vapour resistance | - | m²·h·Pa/mg | 140 | EN 12086 |
| Quality management | - | - | ISOVER is certified according to EN ISO 9001 and EN ISO 14001 | EN ISO 9001 EN ISO 14001 |
| Installation unique feature | - | - | Duct assembly: exclusive male/female molded shiplap | - |
| Working conditions | Working conditions | | Resistant to mechanical cleaning methods Maximum air speed: 18 m/s Maximum temperature of circulating | - |

| Length [mm] Width b [mi | | Thickness d [mm] | m²/pack | m²/pallet | m²/truck | | | | | |
|-------------------------|-------|------------------|---------|-----------|----------|--|--|--|--|--|
| 3,000 | 1,190 | 25 | 24.99 | 299.88 | 2399.00 | | | | | |

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



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 lsover sales offices. We deliver only according to our terms of trade and terms of delivery.



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