

**Armaflex®**  
Duct AL

THE FIBRE DUST FREE ARMAFLEX®  
INSULATION FOR AIRDUCT  
APPLICATIONS WITH SILVER FINISH



- Optimal surface design for a lasting aesthetic impression
- Washeable surface to support hygiene maintenance
- Sheet size specifically engineered for duct segments
- Prevents condensation
- Structure-borne noise control

## Technical Data - Armaflex Duct AL

|                              |   |
|------------------------------|---|
| Brief description            | Armaflex Duct is a black, closed-cell insulation material with a bright silver finish. It is especially designed and produced for the thermal and acoustic insulation of air-conditioning ducts. Armaflex Duct insulation reduces heat losses and the closed-cell structure prevents water vapor transmission, thus avoiding the risk of corrosion. |
| Material type                | Elastomeric foam based on synthetic rubber. Factory made flexible elastomeric foam (FEF) according to EN 14304.   |
| Colour                       | silver (covering)   |
| Material Special Information | Self-adhesive coating: pressure-sensitive adhesive coating on modified acrylate basis with mesh structure and covered with polyethylene foil.   |
| Applications                 | Insulation of rectangular and cylindrical air ducts   |
| Remarks                      | Declaration of Performance is available in accordance with Article 7(3) of Regulation (EU) No 305/2011 on our homepage: <a href="http://www.armacell.com/DoP">www.armacell.com/DoP</a>  |

| Property                                 | Value/Assessment  | Test <sup>1</sup> | Special Remark  |
|--|---|-------------------|---|
| <b>Temperature Range</b>                 |   |                   |   |
| Temperature Range                        | max. service temperature +110 °C<br>(+85 °C if sheet or tape is glued to the object with its whole surface)       | EU 5697           | Tested acc. to EN 14706, EN 14707 and min. service temperature <sup>1</sup> -50 °C EN 14304                         |
|  | min. service temperature -50 °C   |                   |   |
| <b>Thermal Conductivity</b>              |   |                   |   |
| Thermal Conductivity                     | $\vartheta_m$ 0 °C $\lambda =$  | EU 5697           | Declared acc. to EN ISO 13787<br>Tested acc. to EN 12667<br>EN ISO 8497   |
|  | sheets 9 - 25 mm $\lambda \leq 0,036$ W/(m · K) $[36 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2]/1000$  |                   |   |
|  | sheets 32 - 40 mm $\lambda \leq 0,038$ W/(m · K) $[38 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2]/1000$ |                   |   |
| <b>Water vapour diffusion resistance</b> |   |                   |   |
| Water vapour diffusion resistance        | $\mu \geq 7.000$  | EU 5697           | Tested acc. to EN 12086   |
| <b>Fire performance</b>                  |   |                   |   |
| Reaction to fire                         | Euroclass E   | EU 5697           | Classified acc. to EN 13501-1<br>Tested acc. to EN 13823<br>EN ISO 11925-2  |
| <b>Other technical features</b>          |   |                   |   |
| Dimensions and tolerances                | In accordance with EN 14304, table 1  | EU 5697           | Tested acc. to EN 822, EN 823, EN 13467   |
| Storage & Shelf life                     | Sheets, self-adhesive: 1 year   |                   | Can be stored in dry, clean rooms at normal relative humidity (50 % to 70 %) and ambient temperature (0 °C - 35 °C) |

1. For further information, please contact our customer service.

\*1 Further documents such as test certificates, approvals and the like can be requested using the registration number given.

All data and technical information are based on results achieved under typical application conditions. Recipients of this information should, in their own interest and responsibility, clarify with us in due time whether or not the data and information apply to the intended application area. Installation instructions are available in our Armaflex installation manual. Armaflex 520 adhesive and Clipse must be used to guarantee proper installation. For outside use, Armaflex should be protected with a suitable outer covering within 3 days of installation.

**Armacell Iberia, S.L.**  
Pol. Ind. Riera d'Esclanyà C/ Can Magí, 1 • 17213 Esclanyà - Begur • Girona • Spain  
Phone +34 972 61 34 43 • Fax +34 972 98 26 69  
[www.armacell.es](http://www.armacell.es) • [info.es@armacell.com](mailto:info.es@armacell.com)

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