Armaflex® ACE S

EASY SOLUTION FOR OUTDOOR APPLICATIONS

- Low maintenance and repair costs
- Easy cleaning of the product
- Built in vapour varrier
**Technical Data - Armaflex ACE S**

**Brief description**
Highly flexible closed cell insulation material based on elastomeric foam, covered with a polyolefin copolymer coating. Especially designed for outside installations.

**Material type**
Synthetic NBR rubber based foam. Factory made flexible elastomeric foam (FEF) according to EN 14304. Covering: polyolefin- copolymer coating.

**Colour**
white / black (facing)

**Applications**
Thermal insulation for pipework in: heating and plumbing area

**Remarks**
Declaration of Performance is available in accordance with Article 7(3) of Regulation (EU) No 305/2011 on our homepage: www.armacell.com/DoP

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**Property** | **Value/Assessment** | **Test**<sup>1</sup> | **Special Remark**
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**Temperature Range** |  |  |  |
Temperature Range | max. service temperature | *110 °C | EU 5796 ○/● | Tested acc. to EN 14706, EN 14707 and EN 14304
min. service temperature<sup>1</sup> | -50 °C |
**Thermal Conductivity** |  |  |  |
Thermal Conductivity | θ<sub>m</sub> | +/-0 °C | EU 5796 ○/● | Declared acc. to EN ISO 13787
λ<sup>2</sup> | EN 12667 and EN ISO 8497 |
tubes | λ ≤ 0.038 W/(m · K) | [38 + 0.1·θ<sub>m</sub> + 0.0008 · θ<sub>m</sub>²]/1000 |
**Water vapour diffusion resistance** |  |  |  |
Water vapour diffusion resistance | µ | ≥ 7.000 | EU 5796 ○/● | Tested according to EN 13469
**Fire performance** |  |  |  |
Reaction to fire | Euroclass | E | EU 5796 ○/● | Classified acc. to EN 13501-1
Self-extinguishing, does not drip, does not spread flames |
**Practical Fire Behaviour** |  |  |  |
Dimensions and tolerances | In accordance with EN 14304, table 1 | EU 5796 ○/● | Tested acc. to EN 822, EN 823, EN 13467 |
**Other technical features** |  |  |  |
UV resistance<sup>2</sup> | very good | TB 142 ○ | Tested acc. to EN ISO 4892-2 |

<sup>1</sup> For temperatures below -50 °C please contact our Customer Service Center to request for the corresponding technical information.

<sup>2</sup> In outdoor applications the colour may fade. This does not have any impact on the functionality of the covering or the insulation material.

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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. Please consult our Customer Service Center before insulating stainless steels. For temperatures above +110 °C please contact our Customer Service Centre to request the corresponding technical information.