

SAFETY IS OUR TOP PRIORITY

# ArmaFlex Ultra

## LS Black Duct Liner

ArmaFlex® Ultra LS Black Duct Liner creates 50% less smoke development than common flexible elastomeric material.

- // Plenum rated
- // Closed cell
- // Saves energy

[www.armacell.us](http://www.armacell.us)



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ArmaFlex<sup>®</sup>

## TECHNICAL DATA – ArmaFlex Ultra Duct Liner LS

### Description

Closed cell flexible elastomeric insulation foam with low flame spread and low smoke developed values.

### Color

Black

### Applications

Flexible elastomeric insulation for air ducts, vessels and equipment to prevent condensation and save energy.

### Typical Properties - Sheets

Physical Properties	Value/Assessment	Special Remark
<b>Temperature Range</b>		
Max. Service Temperature	250°F (110°C) 185°F (+85°C) if sheet or tape is glued to the object with its whole surface	Tested acc. to EN 14706, EN 14707 and EN 14304
Min. Service Temperature <sup>1</sup>	-58°F (-50°C)	
<b>Thermal Conductivity:</b> At mean temperature 32°F (0°C)	0.256 BTU-in/sq ft hr °F / 0.037 W/m K	Declared acc. to EN ISO 13787 Tested acc. to EN 12667 and EN ISO 8497
<b>Water Vapor Permeability, Perm-In</b>	0.02	Tested acc. to EN 12086 and EN 13469
<b>Fire Performance</b>		
Reaction to Fire	B-s2,d0	Classified acc. to EN 13501-1 Tested acc. to EN 13823 and EN ISO 11925-2
Flame Spread Index	<25	Tested acc. to ASTM E84 and UL 723
Smoke Developed Index	<50	
<b>UV Resistance<sup>2</sup></b>	Protection against UV-radiation is necessary	

<sup>1</sup> For temperatures below -50°C please contact our Armacell Technical Services to request for the corresponding technical information.

<sup>2</sup> If ArmaFlex is applied for UV-radiation the material must be protected within 3 days with a covering.

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 installing stainless steels.

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## ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With 3,000 employees and 23 production plants in 15 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.

For more information, please visit:

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