

# ArmaFlex® Duct Plus



## ARMAFLEX DUCT PLUS INSULATION (EUROCLASS B-S3, D0) FOR AIR CONDITIONING DUCTS

- Closed cell insulation to prevent condensation
- 1.5 metre wide sheet adapted to duct dimensions and for less waste on site
- Easy to install and free of fibre dust
- Smooth surface for easy cleaning



## ABOVE

Sheet production line  
Armacell Münster, Germany

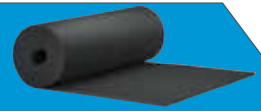
**CE**  
PROTECTION THAT LIVES ON  
**MICROBAN**



# RANGE

## SHEET

Pre-covered continuous sheet (rolls), pre-covered continuous self-adhesive sheet (rolls)



## TAPE

Self-adhesive tape



## RECOMMENDED PRODUCTS

For a complete installation



ArmaFlex 520 adhesive



ArmaFlex RS850 adhesive



ArmaFlex Cleaner

## TECHNICAL DATA

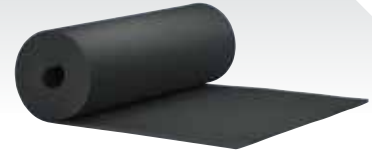
Flexible closed-cell elastomeric foam insulation. Specifically designed for the thermal and acoustic insulation of air conditioning ducts. Offers an improved fire rating for indoor applications, reduces heat loss and the closed cell structure prevents condensation, water vapour transmission and corrosion under insulation.

<b>Material type</b>	Elastomeric foam based synthetic rubber. Factory made flexible elastomeric foam (FEF) according to EN 14304
<b>Colour</b>	Black
<b>Material special information</b>	Self-adhesive coating: pressure-sensitive adhesive coating on modified acrylate basis with mesh structure and covered with polyethylene foil.
<b>Applications</b>	Insulation of rectangular and cylindrical air ducts
<b>Remarks</b>	Declaration Of Performance (DOP) is available in accordance with Article 7(3) of regulation (EU) No 305/2011

Property	Value/Assessment	Test	Standards & Remarks
<b>Temperature Range</b>			
Max service temperature	+110°C (+85°C if sheet or tape is glued to a flat surface)		Tested acc. to EN 14706, EN 14707 & EN 14304
Min service temperature	-50°C		
<b>Thermal Conductivity</b>			
Sheets 9 - 32mm	$\lambda$ 0°C ≤ 0.036 W/(m·K) [36+0.1 · °m + 0.0008 · °m <sup>2</sup> ]/1000	EU 5697	Declared acc. to EN ISO 13787 Tested acc. to EN12667 & EN ISO 8497
Sheets 32 - 40mm	$\lambda$ 0°C ≤ 0.038 W/(m·K) [38+0.1 · °m + 0.0008 · °m <sup>2</sup> ]/1000		
<b>Water Vapour Diffusion Resistance</b>			
	$\mu$ ≥ 7000	EU 5697	Tested acc.to EN 12086
<b>Fire Performance</b>			
Reaction to fire	Euroclass B-s3, d0	GB 5697	Classified acc. to EN 13501-1 Tested acc. to DIN EN 13823 DIN EN ISO 11925-2
Practical fire behaviour	Self-extinguishing, does not drip		
<b>Other technical features</b>			
Dimensions & tolerances	In accordance with EN 14304, table 1	EU 5697	Tested acc. to EN 822, EN 823 & EN 13467
Storage & shelf life	Self-adhesive sheets	1 year	Stored in dry clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0°C - 35°C)

## CONTINUOUS SHEET (ROLLS)

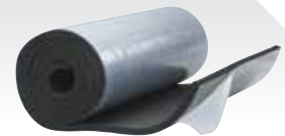
Width - 1.5m, Colour - Black, Fire rating - B-s3, d0



Code	Thickness (mm)	Roll Length (m)	Width (m)	m <sup>2</sup> /carton	
ADU-09MM/E-P •	9	20	1.5	30	
ADU-13MM/E-P •	13	16	1.5	24	
ADU-19MM/E-P •	19	12	1.5	18	
ADU-25MM/E-P •	25	8	1.5	12	
ADU-32MM/E-P •	32	6	1.5	9	

## SELF-ADHESIVE CONTINUOUS SHEET (ROLLS)

Width - 1.5m, Colour - Black, Fire rating - B-s3, d0



Code	Thickness (mm)	Roll Length (m)	Width (m)	m <sup>2</sup> /carton	
ADU-09MM/EA-P •	9	20	1.5	30	
ADU-13MM/EA-P •	13	16	1.5	24	
ADU-19MM/EA-P •	19	12	1.5	18	
ADU-25MM/EA-P •	25	8	1.5	12	
ADU-32MM/EA-P •	32	6	1.5	9	

### Other information and remarks

Thickness tolerance for sheets	≤ 6mm	± 1mm
	7 - 19mm	± 1.5mm
	≥ 19mm	2mm

- Not a stock item

# TAPE

Colour - Black, Antimicrobial protection - Microban®



Code	Width (mm)	Length (m)	Thickness (mm)	Rolls/carton	
AF-TAPE-MC	50	15	3	12	