

**Armaflex®**  
**Duct Plus**

THE FIBRE FREE ARMAFLEX  
INSULATION FOR AIRDUCT  
APPLICATIONS



- Prevents condensation
- Structure-borne noise control
- Euroclass B-s3,d0
- Fibre free
- Closed cell structure to prevent water vapour transmission

## Technical Data - Armaflex Duct Plus

Brief description	Armaflex Duct Plus is a closed-cell insulation material especially designed and produced for the thermal and acoustic insulation of air-conditioning ducts. Armaflex Duct Plus insulation reduces heat losses and the closed-cell structure prevents water vapour transmission, thus avoiding the risk of corrosion.
Material type	High flexible closed-cell elastomeric foam material based on synthetic rubber. Factory made flexible elastomeric foam (FEF) according to EN 14304.
Colour	black
Material Special Information	Self-adhesive coating: pressure-sensitive adhesive coating on modified acrylate basis with mesh structure and covered with polyethylene foil.
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>	Super- vision <sup>*2</sup>	Special Remark	
Temperature Range							
Temperature Range	max. service temperature	+110 °C	(+85 °C if sheet or tape is glued to the object with its whole surface)	EU 5697	o/●	Tested acc. to EN 14706, EN 14707 and EN 14304	
	min. service temperature	-50 °C					
Thermal Conductivity							
Thermal Conductivity	ϑ <sub>m</sub>	+/-0	°C	EU 5697	o/●	Declared acc. to EN ISO 13787 Tested acc. to EN 12667 EN ISO 8497	
	sheets 9 - 32mm	λ ≤ 0,036	W/(m · K)				[36 + 0,1 · ϑ <sub>m</sub> + 0,0008 · (ϑ <sub>m</sub> <sup>2</sup> )/1000
Water vapour diffusion resistance							
Water vapour diffusion resistance	μ		≥	7.000	EU 5697	o/●	Tested acc. to EN 12086
Fire performance							
Reaction to fire	sheets	B-s3, d0			EU 5697	o/●	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						
Other technical features							
Dimensions and tolerances	In accordance with EN 14304, table 1			EU 5697	o/●	Tested acc. to EN 822, EN 823, EN 13467	
UV resistance <sup>1</sup>	Protection against UV-radiation is necessary:			TB 142			
Storage & Shelf life	self-adhesive sheets: 1 year					Can be stored in dry, clean rooms at normal relative humidity (50 % to 70 %) and ambient temperature (0 °C - 35 °C)	

1. If Armaflex is applied under UV-radiation the material must be protected within 3 days with a covering.

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

\*2 ●: Official supervision by independent institutes and /or test authorities  
○: Own in-factory quality monitoring

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.

## Armaflex Duct Plus sheets endless



Code	Insulation thickness [mm]	Roll length [m]	Width [m]	m <sup>2</sup> /carton
ADU-09MM/E-P	9,0	20	1.5	30
ADU-13MM/E-P	13,0	16	1.5	24
ADU-19MM/E-P	19,0	12	1.5	18
ADU-25MM/E-P	25,0	8	1.5	12
ADU-32MM/E-P	32,0	6	1.5	9

Length tolerance for sheets	+/- 1,5 %	
Thickness tolerance for sheets	≤ 6 mm:	±1,0 mm
	7 -19 mm:	±1,5 mm
	> 19 mm:	±2,0 mm

## Armaflex Duct Plus sheets endless self-adhesive



Code	Insulation thickness [mm]	Roll length [m]	Width [m]	m <sup>2</sup> /carton
ADU-09MM/EA-P	9,0	20	1.5	30
ADU-13MM/EA-P	13,0	16	1.5	24
ADU-19MM/EA-P	19,0	12	1.5	18
ADU-25MM/EA-P	25,0	8	1.5	12
ADU-32MM/EA-P	32,0	6	1.5	9

Length tolerance for sheets	+/- 1,5 %	
Thickness tolerance for sheets	≤ 6 mm:	±1,0 mm
	7 -19 mm:	±1,5 mm
	> 19 mm:	±2,0 mm