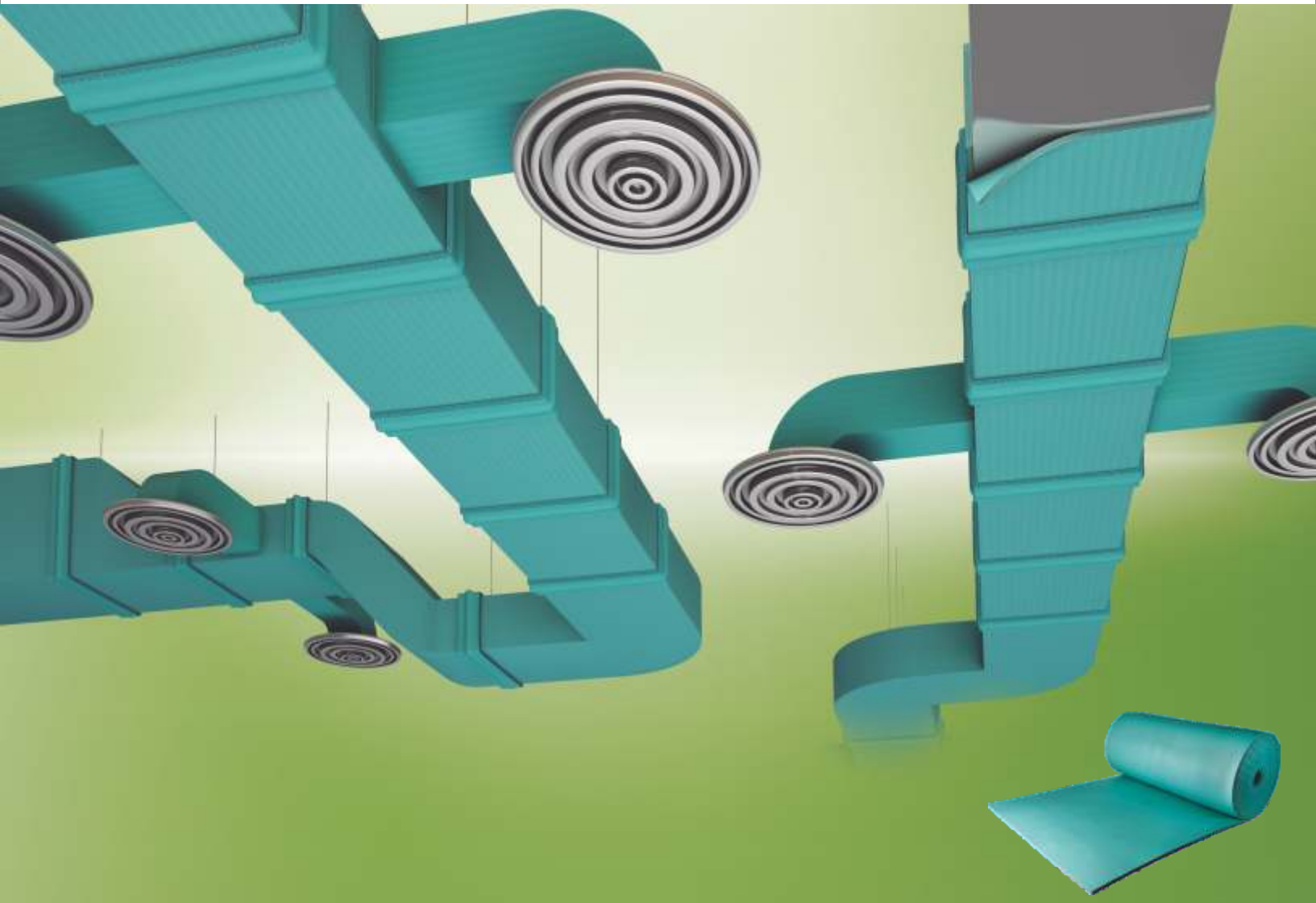


Class 0 Armaflex® Plus

ANTI-MICROBIAL DUCT INSULATION
FOR ENHANCED INDOOR AIR QUALITY



- Active protection against microbes such as bacteria and fungi/mold/mildew
- Promotes better indoor air quality
- Increased long term thermal efficiency
- Lifelong built-in Microban® anti-microbial product protection
- EPA Approved
- Extremely low thermal conductivity, $\lambda_{10^{\circ}\text{C}} \leq 0.033 \text{ W}/(\text{m} \cdot \text{K})$
- Very high water vapour diffusion resistance, $\mu \geq 10,000$



Technical Data - Class 0 Armaflex® Plus

Brief description	Highly-flexible, closed-cell insulation material with high water vapour diffusion resistance, low thermal conductivity and built-in antimicrobial protection.						
Material type	Elastomeric foam based on synthetic rubber (NBR)						
Colour	Green						
Material Special Information	Made with Microban®* - antimicrobial product protection						
Product Range	Available in sheets, in 8 mm, 12 mm, 18 mm, 23 mm & 30 mm thickness; 1000 mm wide rolls. Self adhesive sheets are also available						
Applications	Insulation for air-conditioning / air ducts, to prevent condensation and save energy.						
Safety and Environment	ODP zero GWP zero Dust & fibre free						
Assembly	Light weight. Closed cell structure means no additional vapour barrier is required.						
Property	Value/Assessment					Special Remark	
Temperature Range							
Temperature Range	max. service temperature	+ 85 °C		(+ 85 °C if sheet or tape is glued to the object with its whole surface.)		Tested acc.to EN 14706 and EN 14304	
	min. service temperature	+ 7 °C		(0 °C in case of SA Sheets)			
Thermal Conductivity							
Thermal Conductivity	ϑ_m	0		+20	+40	Tested acc. to EN 12667	
	λ	≤	0.033	0.035	0.037		W/(m · K)
Water vapour diffusion resistance							
Water vapour diffusion resistance	μ	≥	10,000			Tested acc. to EN 12086	
Fire performance							
Reaction to fire	Fire performance acc. to building regulation			Class 0		Surface Spread of Flame: tested acc to BS 476 Part 7:1997 Fire Propagation: tested acc to BS 476 Part 6:1989	
	Surface Spread of Flame			Class 1			
	Fire propagation			Total index performance (I) ≤ 12 Sub index (i _s) ≤ 6			
Other Fire Class	FM Approved UL 94 - HB, V-0					Tested acc. to UL 94	
Practical Fire Behavior	Self-extinguishing, does not drip and does not spread flames						
Chemical behaviour	Excellent resistance to ozone, oil and chemicals (consult product test list)						
Storage & Shelf life	Shall be stored in dry & clean area. Away from direct Sunlight Self adhesive tapes, self-adhesive sheets: 1 year						
Antimicrobial behaviour	Fungi resistance				No fungal / mould growth		Tested acc. to DIN EN ISO 846 method A
	Bacterial Resistance				No bacterial growth		Tested acc. to DIN EN ISO 846 method C
	EPA Approved						

*Microban is EPA (Environment Protection Agency), USA Approved.

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.

Armacell India Pvt. Ltd.

GAT No. 744-745, Village Lonikand, Pune Nagar Road • Pune 412216 •
Maharashtra • India
Phone +91 20 66782000
www.armacell.in • info.isa@armacell.com
CIN: U24293PN2005FTC131939

IPDS-0116-20170601-en(IN,SA)