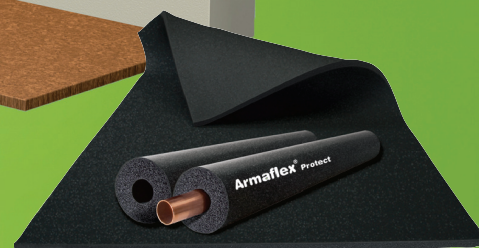


Armaflex®
Protect

FLEXIBLE FIRE PROTECTION



- Single solution for hot and cold applications
- Quick and easy installation
- Suitable for ceilings, rigid walls and lightweight walls
- Can be used in combination with all Armaflex Products.

Technical Data - Armaflex Protect

Brief description	Flexible fire seal and insulation for non-combustible and combustible pipes through fire-resistant walls and ceilings (EI 30 to EI 120).
Material type	Elastomeric foam based on synthetic rubber.
Colour	black
Applications	Insulation and fire protection barrier for drinking water hot / cold, heating and refrigeration non combustible pipes up to 326 mm diameter and combustible pipes up to 75 mm.
Special Features	Acc. to ETA 3.2.1.2. Detailed information on the fields of application (building elements, services, limits in size) and description of construction of the penetration seal are available in the Armaflex Protect installation instructions
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

Property	Value/Assessment		Test ^{*1}	Special Remark
Temperature Range				
Temperature Range	max. service temperature	+85 °C		
	min. service temperature	-50 °C		
Thermal Conductivity				
Thermal Conductivity	ϑ_m	0 °C		Tested according to EN 12667 EN ISO 8497
	$\lambda \leq$	0,056 W/(m · K)		
Water vapour diffusion resistance				
Water vapour diffusion resistance	$\mu \geq$	7.000		Tested acc. to EN 12086 and EN 13469
Fire performance				
Reaction to fire	product range		EU 5925	Classified acc. to EN 13501-1 Tested acc. to EN ISO 11925-2
	tubes	E _L		
	sheets	E		
Practical Fire Behaviour	Self-extinguishing, does not drip, does not spread flames			
Fire resistance of structural element	EI 30 - EI 120		EU 4384	European Technical Approval ETA-11/0454
Other technical features				
UV resistance ¹	Protection against UV-radiation is necessary.			
Storage & Shelf life	3 years from production date			Can be stored in dry, clean rooms at normal relative humidity (50 % - 70 %) and ambient temperature (0 °C - 35 °C) Cartons shall be stored horizontally. Minimum temperature for transport -50 °C under condition of frost-free storage before installation.

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

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

Technical Data - Armaflex Protect

Armaflex Protect – ideal for condensation control on refrigeration and coolant piping

Pipe outer diameter	Line temperature / Ambient temperature			
	+6 °C / 23 °C	0 °C / 23 °C	-5 °C / 23 °C	-10 °C / 23 °C
≥ 10 mm ≤ 323,9 mm	Relative humidity ≤ 80 %	Relative humidity ≤ 75 %	Relative humidity ≤ 70 %	Relative humidity ≤ 65 %

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, promptly clarify with us to determine 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. Adhesive Armaflex 520 must be used to guarantee proper installation. For some refrigerants, the discharge temperature may exceed +110 °C; please consult our Customer Service Center for further information. For outside use, Armaflex should be protected within 3 days, e.g. with Armafinish 99 Paint or Arma-Chek covering.

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