

**Armaflex®**  
Protect

THE FLEXIBLE FIRE BARRIER FOR  
CONDENSATION CONTROL TO MATCH  
WITH ARMAFLEX INSULATION AT PIPE  
PENETRATIONS



- Single solution for hot and cold applications
- Quick and easy installation
- Suitable for ceilings, rigid walls and lightweight walls
- Provides structure borne noise reduction
- R-120 fire protection barrier for wall and ceiling pipe penetrations

## Technical Data - Armaflex Protect

Brief description	Flexible fire seal and insulation for non-combustible, combustible pipes and pipes containing combustible medium for use through fire-resistant walls and ceilings (R30 to R 120).
Material type	Elastomeric foam based on synthetic rubber.
Colour	Black
Applications	Insulation and R-120 fire protection barrier for non combustible pipes up to 323 mm and combustible pipes up to 75 mm.
Special Features	Armaflex Protect fulfils fire protection requirements irrespective of adjoining insulation.

Property	Value/Assessment	Test <sup>*1</sup>	Super- vision <sup>*2</sup>	Special Remarks
<b>Temperature Range</b>				
Temperature Range	Max. service temperature	+85 °C		
	Min. service temperature	-50 °C		
<b>Thermal Conductivity</b>				
Thermal Conductivity	$\vartheta_m$	0 °C		Tested according to EN 12667 EN ISO 8497
	$\lambda \leq$	0.056 W/(m · K)		
<b>Water vapour diffusion resistance</b>				
Water vapour diffusion resistance	$\mu \geq$	7,000		Tested acc. to EN 12086 and EN 13469
<b>Fire performance</b>				
Reaction to fire	product range		○	Classified acc. to EN 13501-1 Tested acc. to EN ISO 11925-2
	tubes	E <sub>L</sub>		
	sheets	E		
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames			
Fire resistance of structural element	R30 - R120		EU 4384	Classified acc. to DIN 4102-11 & EN 1366-3
<b>Other technical features</b>				
UV resistance	Suitable for indoor use only			
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 Further documents such as test certificates and approvals can be requested using the registration number given.

\*2 ●: Official supervision by independent institutes and /or test authorities  
○: In-house quality monitoring

All statements and technical information are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the information is appropriate for the specific use intended. Installation instructions are available in our Armaflex installation manual. Please consult our Technical Department before insulating stainless steels. Adhesive Armaflex 520 must be used to guarantee correct installation. With some refrigerants, the discharge temperature may exceed +110 °C; please consult our Customer Service Department for further information. For outside use, Armaflex should be protected within 3 days of installation with Armafinish 99 Paint or Arma-Chek covering.

## Armaflex Protect tubes



Length 1.0 m

Pipe max. Outside-Ø [mm]	Thickness [mm]	Code	m/carton	
10	19.0	PRO-AX-19X010 ●	18	
12	19.0	PRO-AX-19X012 ●	17	
15	19.0	PRO-AX-19X015 ●	16	
16	20.0	PRO-AX-20X016 ●	14	
18	20.0	PRO-AX-20X018 ●	13	
20	20.0	PRO-AX-20X020 ●	12	
22	20.0	PRO-AX-20X022 ●	12	
25	20.0	PRO-AX-20X025 ●	11	
28	25.0	PRO-AX-25X028 ●	9	
32	25.0	PRO-AX-25X032 ●	8	
35	25.0	PRO-AX-25X035 ●	8	
40	25.0	PRO-AX-25X040 ●	6	
42	25.0	PRO-AX-25X042 ●	6	
48	25.0	PRO-AX-25X048 ●	5	
50	25.0	PRO-AX-25X050 ●	5	
54	25.0	PRO-AX-25X054 ●	5	
60	25.0	PRO-AX-25X060 ●	4	
64	25.0	PRO-AX-25X063 ●	4	
76	25.0	PRO-AX-25X076 ●	4	
89	25.0	PRO-AX-25X089 ●	4	

● Not a stock item. Delivery on request.

## Armaflex Protect continuous sheets (rolls)



Code	Roll length [m]	Width [m]	Thickness [mm]	m <sup>2</sup> /carton	Rolls/carton	
PRO-AX-13MM/E	6	0.5	13.0	2 x 3	2	

### Regulations

For sealing purposes at least two layers of sheet material must be installed