FOR PIPE PENETRATIONS UP TO MEDIUM DIAMETERS

ArmaProtect FW3
Firestop wrap

Firestop wrap for fire seals in walls and floors

// Combustible pipes Ø ≤ 160mm (without combustible insulation)
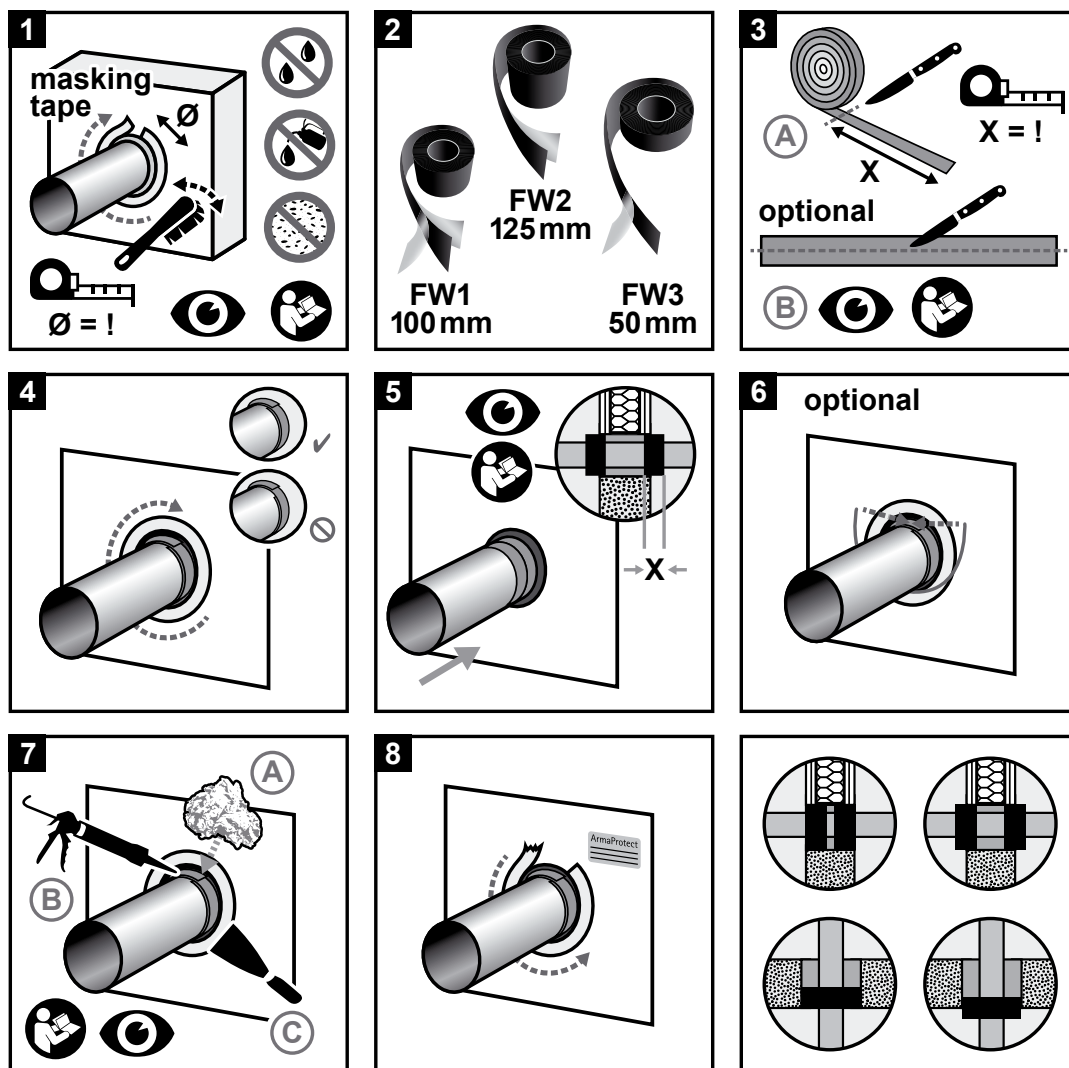// Combustible pipes Ø ≤ 110mm (with combustible insulation)
// Multi-layer composite pipes Ø ≤ 110mm

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INSTRUCTIONS FOR USE

Ensure that surfaces are dry and free of dust and grease.

1

masking tape
Ø
Ø = !

2

FW2
125 mm

FW1
100 mm

FW3
50 mm

3

A
X = !
X

optional

B

4

✔
🚫

5

→X←

6

optional

7

A
B
C

8

ArmaProtect

// Consumption guide

Check consumption of ArmaProtect Firestop Wrap FW3 based on the pipe diameter and number of layers required. Standard application for pipes:

- for wall penetration: installation of firestop wrap from both sides
- for floor penetration: installation of firestop wrap on the bottom side of the floor.

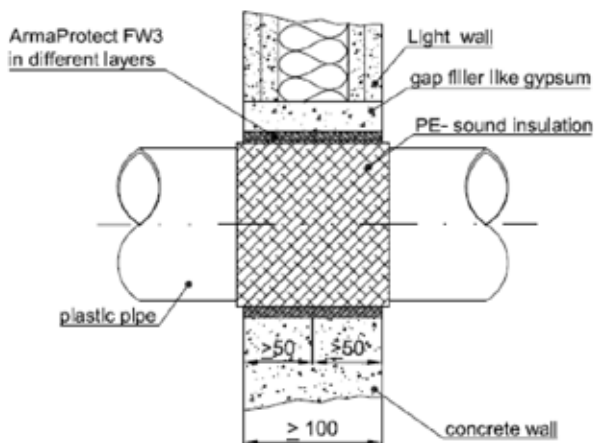# MAIN APPLICATIONS ACC. ETA-21/1099

In drywalls, solid walls and concrete floors[1]

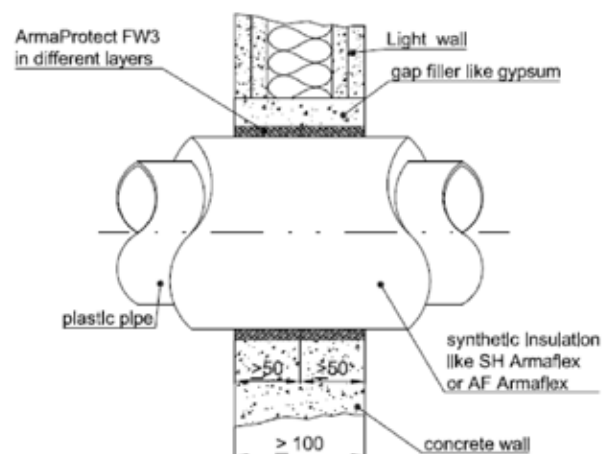|	
Base material	Drywall, concrete wall, aerated concrete wall, masonry wall, shaft wall, concrete floor
Base material thickness	≥ 100 mm (wall) ≥ 40 mm (shaft wall) ≥ 150 mm (floor)
Seal thickness	≥ 100 mm (wall) ≥ 80 mm (shaft wall) ≥ 150 mm (floor)
Penetrants • Combustible pipes Ø ≤ 160 mm (without combustible insulation)[1] • Combustible pipes Ø ≤ 110 mm (with combustible insulation)[1] • Multi-layer composite pipes Ø ≤ 110 mm[1]	up to EI 120-U/U[1]

[1] See ETA 21/1099 for further installation details.

// Typical ETA approved systems[1]
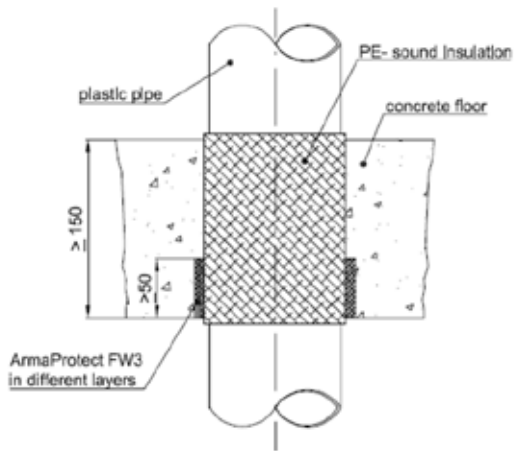
Wall application with PE-sound insulation
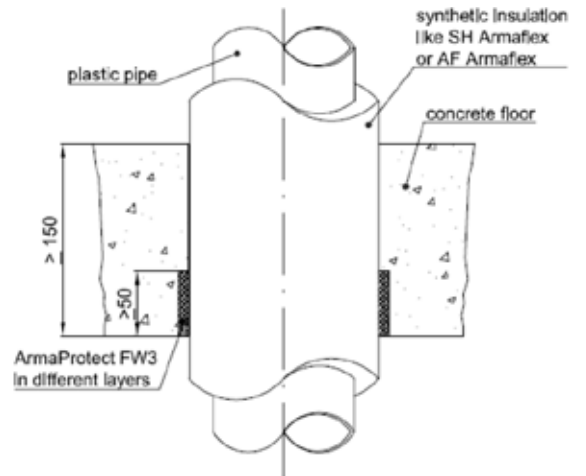

Wall application with synthetic insulation

[1] See ETA 21/1099 for further installation details.

Floor application with PE-sound insulation

Floor application with synthetic insulation

¹ See ETA 21/1099 for further installation details.

TECHNICAL DATA - ARMAPROTECT FW3 FIRESTOP WRAP

Brief description	ArmaProtect FW3 is a flexible firestop wrap.
Material type	Halogen-free intumescent material based on blowing graphite technology.
Product colour range	Dark red.
Special features	Easy visual inspection, self-adhesive strip.
Product range	Firestop wrap roll with self-adhesive strip and dimensions of 12.5m x 50mm x 2mm.
Applications	Firestop wrap for fire seals in walls and floors for combustible pipes (with and without insulation) and multi-layer composite pipes.
Installation	For professional use only. Refer to third party published listings, national approvals / assessments and Armacell's product literature for specific application details as well as before handling this product.
Declaration of Performance (DoP)	ArmaProtect FW3

Approvals and compliance

Specification compliance	• ETA-21/1099 acc. EN 1366-3

Property	Value/Assessment	Standard/Test method
Temperature range		
Operating temperature	-40°C to 70°C (-40°F to 158°F)	
Application temperature	5°C to 25°C (41°F to 77°F)	
Storage and transportation temperature	5°C to 25°C (41°F to 77°F)	
Mechanical properties		
Density	1.2 g/cm³ ± 10%	
Expansion ratio	18 to 38 fold	
Fire performance		
Reaction to fire	Class E	EN 13501-1
Resistance to fire	See Annex	
Health and environment		
Emission of dangerous substances	No dangerous substances.	ETA 21/1099
Other technical features		
Durability and serviceability	Use category type X.	EOTA TR 024
Safety information	Please refer to the safety data sheet available on our website.	
Shelf life	No shelf life	
Storage	Store in a cool and dry place with an ambient temperature of 5 °C to 25 °C and protect from frost.	

Firestop wrap

Item	Description	Content
PRO-FW3-12.5m	ArmaProtect FW3 Firestop wrap	12.5m

Firestop identification plate.

Item	Description	Content
PRO-ID-SET	ArmaProtect ID identification plate set	5 pieces

ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With more than 3,000 employees and 24 production plants in 16 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.

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