



FOR PIPE PENETRATIONS UP  
TO MEDIUM DIAMETERS

# ArmaProtect FW3 Firestop wrap

Firestop wrap for fire seals in walls and floors

- // Combustible pipes  $\varnothing \leq 160\text{mm}$  (without combustible insulation)
- // Combustible pipes  $\varnothing \leq 110\text{mm}$  (with combustible insulation)
- // Multi-layer composite pipes  $\varnothing \leq 110\text{mm}$

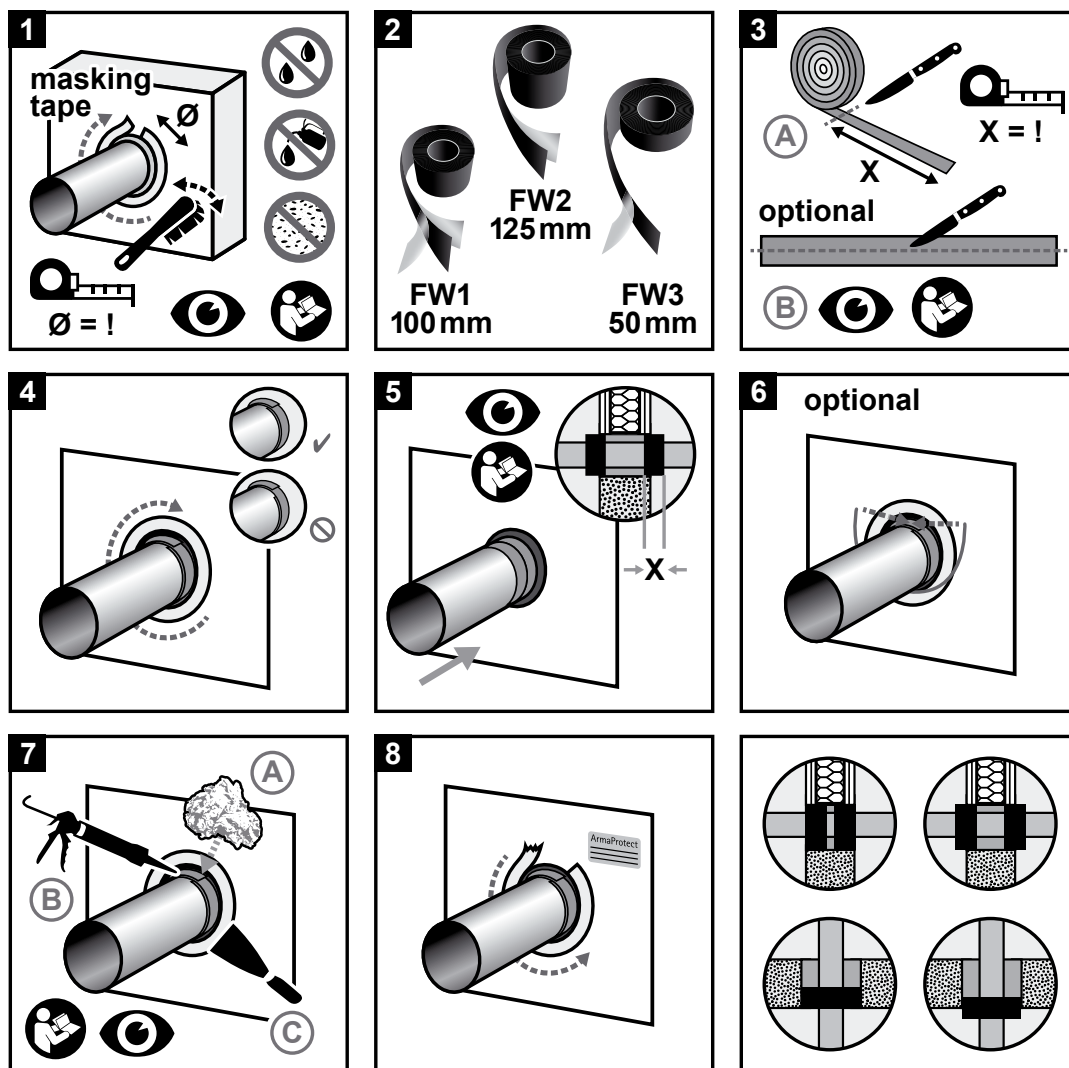
[www.armacell.com](http://www.armacell.com)



 **armacell**<sup>®</sup>  
ArmaProtect<sup>™</sup>

# INSTRUCTIONS FOR USE

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



## // 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



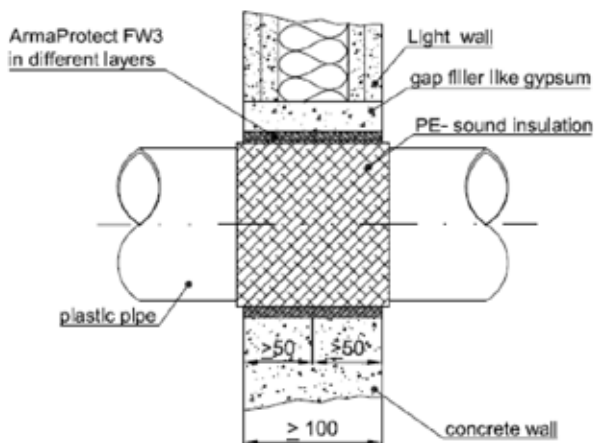
## In drywalls, solid walls and concrete floors<sup>1</sup>

Base material	Drywall, concrete wall, aerated concrete wall, masonry wall, shaft wall, concrete floor
Base material thickness	<ul style="list-style-type: none"> <li>≥ 100 mm (wall)</li> <li>≥ 40 mm (shaft wall)</li> <li>≥ 150 mm (floor)</li> </ul>
Seal thickness	<ul style="list-style-type: none"> <li>≥ 100 mm (wall)</li> <li>≥ 80 mm (shaft wall)</li> <li>≥ 150 mm (floor)</li> </ul>
Penetrants	up to EI 120-U/U <sup>1</sup>
<ul style="list-style-type: none"> <li>• Combustible pipes <math>\varnothing \leq 160</math> mm (without combustible insulation)<sup>1</sup></li> <li>• Combustible pipes <math>\varnothing \leq 110</math> mm (with combustible insulation)<sup>1</sup></li> <li>• Multi-layer composite pipes <math>\varnothing \leq 110</math> mm<sup>1</sup></li> </ul>	

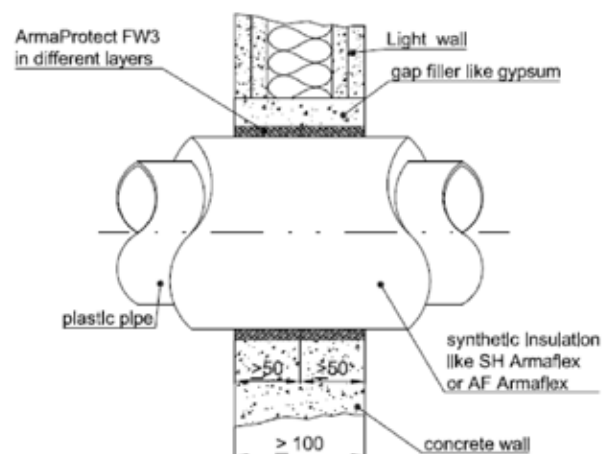
<sup>1</sup> See ETA 21/1099 for further installation details.

## // Typical ETA approved systems<sup>1</sup>

### Wall application with PE-sound insulation

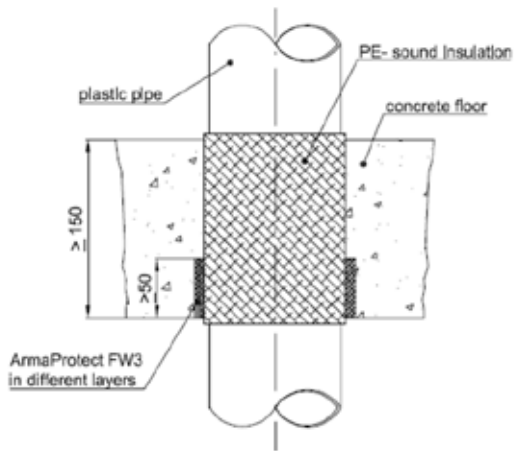


### Wall application with synthetic insulation

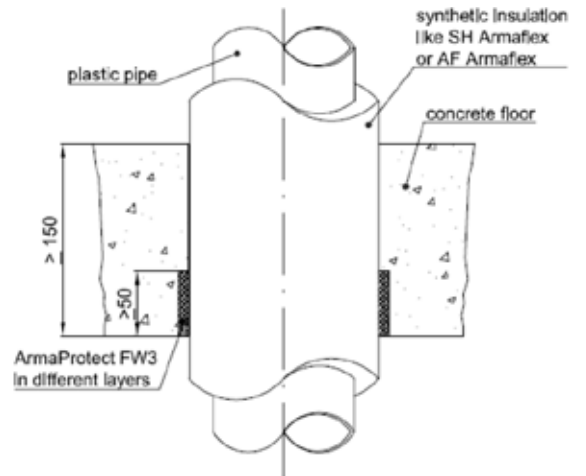


<sup>1</sup> See ETA 21/1099 for further installation details.

Floor application with PE-sound insulation



Floor application with synthetic insulation



<sup>1</sup> 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	<ul style="list-style-type: none"> <li>ETA-21/1099 acc. EN 1366-3</li> </ul>
--------------------------	--

Property	Value/Assessment	Standard/Test method
<b>Temperature range</b>		
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)	
<b>Mechanical properties</b>		
Density	1.2 g/cm <sup>3</sup> ± 10%	
Expansion ratio	18 to 38 fold	
<b>Fire performance</b>		
Reaction to fire	Class E	EN 13501-1
Resistance to fire	See Annex	
<b>Health and environment</b>		
Emission of dangerous substances	No dangerous substances.	ETA 21/1099
<b>Other technical features</b>		
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**

<b>Item</b>	<b>Description</b>	<b>Content</b>
<b>PRO-FW3-12.5m</b>	ArmaProtect FW3 Firestop wrap	12.5m

**Firestop identification plate.**

<b>Item</b>	<b>Description</b>	<b>Content</b>
<b>PRO-ID-SET</b>	ArmaProtect ID identification plate set	5 pieces

All data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced. Despite taking every precaution to ensure that said data and technical information are up to date, Armacell does not make any representation or warranty, express or implied, as to the accuracy, content or completeness of said data and technical information. Armacell also does not assume any liability towards any person resulting from the use of said data or technical information. Armacell reserves the right to revoke, modify or amend this document at any moment. It is the customer's responsibility to verify if the product is suitable for the intended application. The responsibility for professional and correct installation and compliance with relevant building regulations lies with the customer. This document does not constitute nor is part of a legal offer or contract. By ordering/receiving product you accept the Armacell General Terms and Conditions of Sale applicable in the region.

At Armacell, your trust means everything to us, so we want to let you know your rights and make it easier for you to understand what information we collect and why we collect it. If you would like to find out about our processing of data, please visit our Data Protection Policy.

© Armacell, 2022. All rights reserved. Trademarks followed by ® or ™ are trademarks of the Armacell Group.

00586 | ArmaProtect FW3 | ArmaProtect | PDS | 022022 | en-WW

## 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.



For more information, please visit:  
[www.armacell.com](http://www.armacell.com)