



FOR PENETRATIONS WITH  
CABLE BUNDLES AND PIPES

# ArmaProtect FW1

Firestop wrap for fire seals in walls and  
floors

- // Non-combustible pipes up to  $\varnothing$  323.9mm with  
combustible insulation
- // Composite pipes
- // Conduits and conduit bundles

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## TECHNICAL DATA - ARMAPROTECT FW1

Brief description	ArmaProtect FW1 is a fabric-based firestop wrap that helps to maintain the fire resistance performance of fire penetrations in walls and floors.
Material type	Glass filament fabric composite with insulation layer forming coating on the inside and the outside.
Product colour range	Red on the outside, anthracite on the inside
Special features	Flexible and tear-resistant.
Product range	Firestop wrap roll with dimensions of 10m x 100mm x 1.5mm in a cardboard box.
Applications	Firestop wrap for fire seals in walls and floors for cable bundles, conduit bundles and combustible 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.

### Approvals and compliance

Specification compliance	<ul style="list-style-type: none"> <li>ETA-22/0063 and ETA-22/0064 acc. EN 1366-3</li> <li>UL acc. UL 1479 (ASTM E814)</li> </ul>
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Property	Value / Assessment	Standard / Test method
<b>Operating temperature</b>		
Operating temperature	-40°C to 70°C (-40°F to 158°F)	
<b>Processing Temperature</b>		
Processing temperature	5°C to 25°C (41°F to 77°F)	
<b>Fire Performance and Approvals</b>		
Reaction to fire	Class E	EN 13501-1
Use category	Type X: intended for use in conditions exposed to weathering. Type Y1: intended for use at temperatures below 0°C with exposure to UV but no exposure to rain Type Y2: intended for use at temperatures below 0°C, but with no exposure to rain or UV. Type Z1: intended for use in internal conditions with humidity equal to or higher than 85% RH excluding temperatures below 0°C, without exposure to rain or UV. Type Z2: intended for uses in internal conditions with humidity lower than 85 % RH excluding temperatures below 0°C, without exposure to rain or UV.	EOTA TR 024
<b>Passive fire protection</b>		
Fire resistance of elements of construction	UL approved system: FT-Rating - up to 3 hours	ANSI/UL 1479 (ASTM E814)
<b>Health and environment</b>		
Health aspects	Please refer to the safety data sheet available on our website.	
Emission of dangerous substances	No dangerous substances.	ETAG 026-02
<b>Other technical features</b>		
Shelf life	No shelf life.	
Storage	Store / Transport in a cool and dry place with an ambient temperature of 5 °C to 25 °C (41°F to 77°F) and protect from frost.	

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 to sell or to contract.

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As the inventor of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal 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 3,300 employees and 25 production plants in 19 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for acoustic and lightweight applications, recycled PET products, next-generation aerogel technology and passive fire protection systems.

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