

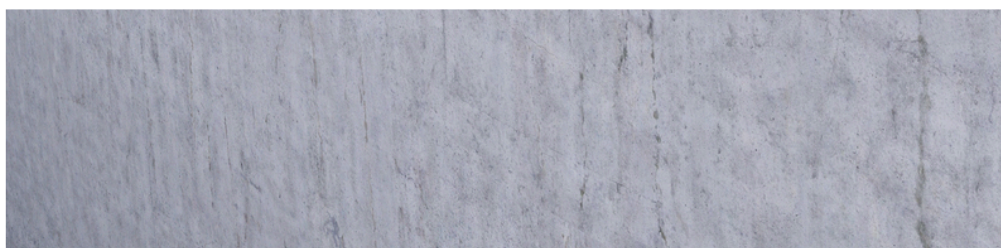


FOR PENETRATIONS WITH  
CABLE BUNDLES AND PIPES

# 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



## 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> |
|--------------------------|---|

| 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.<br>Type Y1: intended for use at temperatures below 0°C with exposure to UV but no exposure to rain<br>Type Y2: intended for use at temperatures below 0°C, but with no exposure to rain or UV.<br>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.<br>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.   |                          |

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TDS | 052024 | en-VN

## ABOUT ARMACELL

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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.

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

