



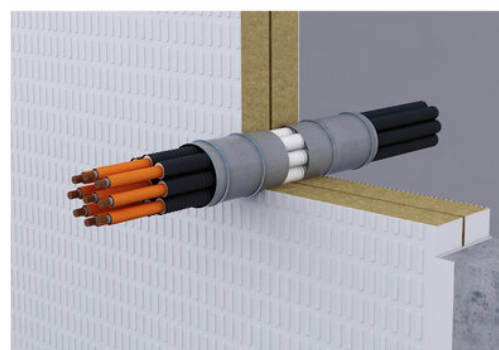
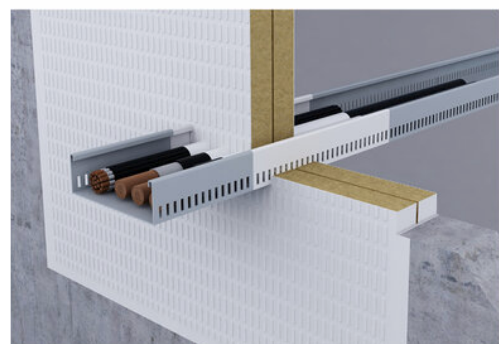
ENHANCING SAFETY LEVELS  
TO PROTECT PROPERTY AND  
SAVE LIVES.

# ArmaProtect CB

Ablative coated board system for mixed fire seals in  
walls and floors

- // Blank openings
- // Mixed and multiple services
- // Cables, cable bundles and cable trays
- // Conduit and conduit bundles
- // Non-combustible and combustible pipes
- // From medium to large firestop penetrations

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



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

INSTALL IT. ENSURE SAFETY.

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# ArmaProtect™

Passive fire protection (PFP) products and systems are designed to provide fire-safe circumstances in the event of a fire emergency. Often built as part of the building component, PFP measures are not visible to building users and hence often overlooked as a fire protection measure.



## // Fire safety is top priority

The requirements for fire protection are increasing. Regulated by building codes, buildings are sub-divided in fire compartments. In the event of a fire, they keep fire and smoke contained in a limited area for a given amount of time. Fire ratings typically range from 30 to 120 or even up to 240 minutes

ArmaProtect firestop products reliably seal off penetrations in walls, floors or service shafts and keep escape routes free of smoke and toxic gases. This gives occupants valuable time to leave the building and rescue teams unhindered access for evacuation.

## // One-stop-shop solution

Whether flexible walls, rigid wall or rigid floors with cable and pipe penetrations – Armacell offers specifiers and installers compliant solutions for almost all firestop penetrations.

The range includes intumescent firestop wraps, firestop collars, coated firestop boards, intumescent firestop sealants and mortars.

The ArmaProtect portfolio is an ideal addition to ArmaFlex Protect, Armacell's unique firestop solution which combines high fire resistance, condensation control and thermal insulation in a single product.

**SOLUTIONS  
WITH EN TESTING  
(ETA)**

# The firestop portfolio from Armacell

Firestop penetration seals with cables, conduits, combustible and non-combustible pipes for residential, commercial and industrial building.

- ✓ Specifiable, reliable and flexible –  
**for each firestop application in residential, commercial and industrial buildings**
- ✓ Cost efficient solution –  
**the ideal choice for specifiers**
- ✓ Easy to install and maintain –  
**perfectly designed for the need of installers**
- ✓ Easy to inspect –  
**compliant solutions to fulfill the expectations of firestop inspectors**
- ✓ Firestop solutions for cable, pipe and mixed penetrations –  
**globally tested with European Technical Assessments and tested UL systems**
- ✓ Full approval range from small to large openings –  
**covering customer's requirement on the job sites**



**ArmaProtect EXPS**  
Firestop sealant



**ArmaProtect FW2 & FW3**  
Firestop wrap



**ArmaProtect FC1 & FC2**  
Firestop collar



**ArmaProtect CB**  
Coated firestop board  
(includes **ArmaProtect ABLC**  
Firestop coating and  
**ArmaProtect ABLF**  
Firestop filler mastic)



**ArmaProtect CM**  
Firestop mortar



**ArmaProtect CT**  
Firestop cable tube



**ArmaProtect EFC1 & EFC2**  
Endless firestop collar

## TECHNICAL DATA - ARMAPROTECT CB

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                      |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|
| Brief description                        | ArmaProtect CB is an ablative coated board system to maintain the fire resistance performance of fire penetrations in walls and floors.                                                                                                                                                                                                                                                                                                                                                                       |  |                                      |
| Material type                            | Mineral wool board with ablative firestop coating and ablative firestop filler mastic.                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                      |
| Additional material information          | The entire system as well as the separate components (coated board, ablative firestop coating and ablative firestop filler mastic) are halogen- and solvent-free.                                                                                                                                                                                                                                                                                                                                             |  |                                      |
| Product colour range                     | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                      |
| Special features                         | In a cured state, the ablative firestop coating (ArmaProtect ABLC) and ablative firestop filler mastic (ArmaProtect ABLF) are resistant against humidity, frost-dew-change and UV radiation.                                                                                                                                                                                                                                                                                                                  |  |                                      |
| Product range                            | Coated boards are packed as 4 pieces in a box. The length x width x height of the boards are as follows:<br>- One-side coated board: 1000 mm x 600 mm x 60 mm with dry-film thickness of 0.7 mm<br>- Two-side coated board: 1000 mm x 600 mm x 60 mm with dry-film thickness of 0.7 mm<br>ArmaProtect ABLC ablative firestop coating is available in pails of 12.5 kg and 15 kg.<br>ArmaProtect ABLF ablative firestop filler mastic is available as 310 ml cartridges with 12 cartridges packed in a carton. |  |                                      |
| Applications                             | Ablative coated board system for mixed fire seals in walls and floors for blank openings, mixed and multiple services, cables, cable bundles and cable trays and non-combustible 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.                                                                                                                                                                                                                                                                                              |  |                                      |
| Declaration of performance               | Declaration of Performance in accordance with Article 7(3) of Regulation (EU) No 305/2011 is available at <a href="http://www.armacell.com/DoP">www.armacell.com/DoP</a> .                                                                                                                                                                                                                                                                                                                                    |  |                                      |
| Approvals and compliance                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                      |
| Specification compliance                 | • UL acc. UL 1479 (ASTM E814) • ETA-22/0063 acc. EN 1366-3                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                      |
|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                      |
| Property                                 | Value / Assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | Standard / Test method               |
| Operating temperature                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                      |
| Operating temperature                    | -40°C to +70°C [-40°F to 158°F]                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                      |
| Processing Temperature                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                      |
| Processing temperature                   | 5°C to 25°C [41°F to 77°F]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                      |
| Fire Performance and Approvals           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                      |
| Reaction to fire                         | Class E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | EN 13501-1                           |
| Use category                             | Type X: intended for use in conditions exposed to weathering                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | EOTA TR 024                          |
| Passive fire protection                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                      |
| Fire resistance of structural element    | Concrete wall, aerated concrete wall, masonry wall, concrete floor: up to EI 240<br>UL approved system: FT-Rating - up to 3 hours                                                                                                                                                                                                                                                                                                                                                                             |  | ANSI/UL 1479 (ASTM E814), EN 13501-2 |
| Physical attributes                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                      |
| Density                                  | ArmaProtect ABLC Firestop coating: 1.34 - 1.48 g/cm³ (at 20 °C)<br>ArmaProtect ABLF Firestop filler mastic: 1.34 - 1.48 g/cm³ (at 20 °C)                                                                                                                                                                                                                                                                                                                                                                      |  |                                      |
| Health and environment                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                      |
| Volatile organic compounds (VOC) content | ArmaProtect ABLC Firestop coating: < 50 g/l<br>ArmaProtect ABLF Firestop filler mastic: < 50 g/l                                                                                                                                                                                                                                                                                                                                                                                                              |  | GS-11, Green Seal Standard           |
| Health aspects                           | Please refer to the safety data sheet available on our website.                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                      |
| Emission of dangerous substances         | No dangerous substances.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                      |
| Other technical features                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                      |
| Cure time                                | Dust-dry: > 4 h [23 °C / 65% relative humidity]<br>2nd layer: > 8 h [23 °C / 65% relative humidity]<br>Fully cured: > 4 d [23 °C / 65% relative humidity]                                                                                                                                                                                                                                                                                                                                                     |  | EOTA TR 024                          |
| Shelf life¹                              | Can be kept for at least 18 months if unopened and stored properly.                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                      |
| Storage                                  | ArmaProtect CB Coated firestop board: 5°C to 25°C (41°F to 77°F)<br>ArmaProtect ABLC Firestop coating: 5°C to 25°C (41°F to 77°F)                                                                                                                                                                                                                                                                                                                                                                             |  |                                      |

| Property                                                                                         | Value / Assessment                                                  | Standard / Test method |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------|
|                                                                                                  | ArmaProtect ABLF Firestop filler mastic: 5°C to 25°C (41°F to 77°F) |                        |
|                                                                                                  | Store / Transport in a cool and dry place and protect from frost.   |                        |
| <sup>1</sup> ArmaProtect ABLC Firestop coating and ArmaProtect ABLF Firestop filler mastic only. |                                                                     |                        |

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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## 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 insulation solutions that create sustainable value for its customers. Armacell's products significantly contribute to driving energy efficiency worldwide. With more than 3,100 employees and 26 production plants in 20 countries, Armacell 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)