



FROM MEDIUM TO LARGE  
FIRESTOP PENETRATIONS

# ArmaProtect CM

Firestop mortar 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
- // Speed pipes

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

## TECHNICAL DATA - ARMAPROTECT CM

|                                 |  |
|---------------------------------|--|
| Brief description               | ArmaProtect CM is a cement-based firestop mortar used to maintain the fire resistance performance of fire penetrations in walls and floors.  |
| Material type                   | Cement-based firestop mortar.  |
| Additional material information | 6 - 7 l water + 20 kg dry mortar ≈ 20 l ready-to-use wet mortar ≈ 20 l volume after hardening  |
| Product colour range            | Grey   |
| Product range                   | Available as a 20 kg bag of mortar. 25 bags on a pallet.   |
| Applications                    | Firestop mortar 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. |

| Property                                    | Value / Assessment   | Standard / Test method               |
|---|--|--------------------------------------|
| <b>Operating temperature</b>                |  |                                      |
| Operating temperature                       | 5 °C to 200 °C (41 °F to 392 °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 A1   | EN 13501-1                           |
| Use category                                | 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 | Drywall, concrete wall, aerated concrete wall, masonry wall, concrete floor: up to EI 120<br>UL approved system: FT-Rating - up to 3 hours           | ANSI/UL 1479 (ASTM E814), EN 13501-2 |
| <b>Mechanical properties</b>                |  |                                      |
| Dry bulk density                            | approx. 900 kg/m <sup>3</sup>  | EN 998-2                             |
| Bulk density                                | 1200 ± 100 kg/m <sup>3</sup> (fresh mortar)  |                                      |
| Pressure resistance                         | M 2.5  | EN 998-2                             |
| <b>Other technical features</b>             |  |                                      |
| Cure time                                   | Fully cured after approximately 28 days.   |                                      |
| Shelf life                                  | Can be kept for at least 12 months unopened if stored properly.  |                                      |
| 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.                        |                                      |

**Firestop mortar**

| <b>Item</b> | <b>Description</b>                       | <b>Primary content [pieces]</b> |
|-------------|--|---------------------------------|
| PRO-CM-20KG | ArmaProtect CM Firestop mortar 20 kg bag | 1 bag                           |

**Accessories**

| <b>Item</b> | <b>Description</b>                               | <b>Primary content [pieces]</b> |
|-------------|--|---------------------------------|
| PRO-ID-SET  | ArmaProtect ID identification plate set (5 pcs.) | 14 set                          |

# OUR CUSTOMERS EXPECT THE BEST. WE WORK HARD TO GO BEYOND THAT AND EXCEED THEIR EXPECTATIONS.

At Armacell we want to create a unique customer experience. We understand the challenges of today's construction industry and support you in the successful delivery of your projects. From planning to delivery, our 360° service supports you throughout the entire process.



## **SERVICE AND TECHNICAL INFORMATION AVAILABLE 24/7**

At Armacell, we do everything we can to ensure your project runs smoothly. This is why the information about the Armacell services you benefit from is available 24/7 from Armacell.com website as well as from our planning tools (BIM, specification documents, ArmaWin, as well as our sustainable building policy)

## **DEDICATED LOCAL CONTACTS**

We aim to create open lines of communication with our customers. From on-site trainings and webinars by our Armacell technical experts advising on project planning and safety instructions to our local dedicated sales and customer services, your local Armacell dedicated team is working in partnership with you to achieve more together.

## **DIGITAL INFORMATION FLOWS**

From order to delivery, we also provide you with digital information flows such as EDI and other well-known data formats that are widely used in the construction sector worldwide.





## OUR STANDARD LOGISTICS SERVICES INCLUDE

- // Material ordered will be shipped from our facilities within 48 hours after order confirmation
- // Full truck loads and full pallets (not mixed – 1 SKU per pallet)
- // List prices in this document are based on Ex Works
- // Container loading with standard goods
- // Customs clearance (including documentation) for standard deliveries outside EU
- // Dangerous goods process for road freight

## WE GO BEYOND STANDARD SERVICES AND ALSO PROPOSE YOU ADDITIONAL SERVICES\*

### OPIMISED PACKAGING

- Edge protection
- Strapping
- Doubled stretching
- Reinforced cardboard with extra layer
- Additional warning tape

### LABELLING

- Extra label for transport instructions

### EXTRA DELIVERY SERVICES

- Just in time delivery
- Delivery with lifting platform for partial or complete load
- Express and direct shipments
- Booking a delivery time slot via your EDP system
- Forklift truck for unloading at construction site
- Air and sea freight deliveries
- Dangerous goods shipment process for air and sea freight



To mitigate cost increases and reduce waste generation, we also propose a pallet return service\* by which pallets can be handed at Armacell collection points.

\* Please contact your local Customer Service Centre to see which of these services apply to your country.

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## ABOUT ARMACELL

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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 3200 employees and 27 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 high-tech and lightweight applications and next generation aerogel blanket technology.



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