

FROM MEDIUM TO LARGE FIRESTOP PENETRATIONS

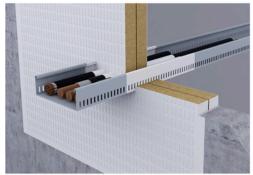
ArmaProtect CB

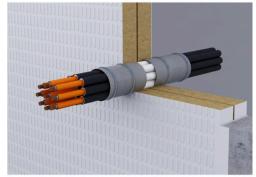
Ablative coated board system for mixed fire seals in walls and floors

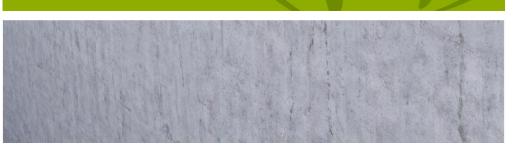
- // Blank openings
- // Mixed and multiple services
- // Cables, cable bundles and cable trays
- // Conduit and conduit bundles
- // Non-combustible and combustible pipes













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

In a cured state, the ablathe firestop coating [ArmaProtect ABLC] and ablative firestop filler mastic [ArmaProtect ABLF] are resistant against humidity, frest-dev-change and DV radiation. Product range	Brief description	ArmaProtect CB is an ablative coated board system to maintain the fire resistance performance of fire pen	etrations in walls and floors.	
halagen- and solvent-free. White White Special Keatures In a cured state, the ablative firestop coating (ArmaProtect ABLC) and ablative firestop filter mastic (ArmaProtect ABLC) and ablative firestop filter mastic (ArmaProtect ABLC) and ablative firestop filter mastic characteristic against humshigh, frost-deve-change and UV radiation. Product range Characteristic activated bears: 1000 mm x 800 mm x 80 mm with day-liter thickness of 10.7 mm - Two-side coated bears in 1000 mm x 800 mm x 80 mm with day-liter thickness of 10.7 mm - ArmaProtect ABLC Babtanie firestop filter mastic is available as 10 ml cartridges packed in a carton. Applications Ablative coated beard system for mixed fire teads in walls and floors for blank openings, mixed and multiple services, cables, cable buttless and coated beard system for mixed fire teads in walls and floors for blank openings, mixed and multiple services, cables, cable buttless and coated beard system for mixed fire teads in walls and floors for blank openings, mixed and multiple services, cables, cable buttless and coated beard system for mixed fire teads in walls and floors for blank openings, mixed and multiple services, cables, cable buttless and combined on performance and coated beard system for mixed fire teads in walls and floors for blank openings, mixed and multiple services, cables, cable buttless and combined on performance and coated beard size and combined on performance and coated beard in section combined on performance and coated beard in section combined on performance and coated beard in section combined on the fire tead of the cable of th	Material type	Mineral wool board with ablative firestop coating and ablative firestop filler mastic.		
Special features In a cured state, the ablative firestop coating [ArmaProtect ABLC] and ablative firestop filler mastic [ArmaProtect ABLC] are resistant against humidity, first-idev-Change and DV radiation.	Additional material information			
against humidity. Prost-device change and UV radiation. Product range Catast bards for geaches as 4 places in a bout 7 has pegin width in height of the boards are as follows: - One-side catast baard: 1000 mm is 200 mm with any-film thickness of 0.7 mm - Twe-side catast baard: 1000 mm is 200 mm with dry-film thickness of 0.7 mm ArmaProtect ABL ability firestop cating is available in palls of 12.5 kg and 15 kg. ArmaProtect ABL ability firestop cating is available as 10 mm at 10 mm with dry-film thickness of 0.7 mm ArmaProtect ABL ability firestop cating is available as 10 mm at carridges peaked in a carton. Applications Ability cated and table trays and one-rombushible plant is available as 10 mm at cardiage with 12 carridges packed in a carton. Applications For professional use only, Roter to third portly published bisings, national approvate. Assessments and Armacell's, product therature for specific application of performance and carbon-title production of performance and performance in accordance with Article 703 of Regulation (EUI No 309/2011 is available at www.armacell.com/OoP. Approvals and compliance Property Value / Assessment Standard / Test method Percessing Temperature Processing Temperature STL 0.25°C (A.19° to 77°C (1.40° to 158°F) Processing Temperature Processing Temperature Processing Temperature STL 0.25°C (A.19° to 77°C (1.40° to 158°F) Processing Temperature Processing Temperature STL 0.25°C (A.19° to 77°C (1.40° to 158°F) Processing Temperature STL 0.25°C (A.19° to 77°C (1.40° to 158°F) Processing Temperature Use and Approvable Application of the performance and Approvable Appli	Product colour range	White		
- One-side coated board : 1000 mm x 800 mm x 80 mm with dry-film thickness of 0.7 mm - Two-side coated board : 1000 mm x 800 mm x 800 mm with dry-film thickness of 0.7 mm Arma-Protect ABL 2 slatine irrestop inter make its evaluable as part 12 % gand 15 kg, Arma-Protect ABL 2 slatine irrestop inter make its evaluable as 10 mk cartridges packed in a carton. Applications Ablative coated beard system for mixed irre seals in walls and floors for blank openings, mixed and multiple services, cables, cable Installation For professional uses only. Refer to third party published is langue, national approvals / assessments and Armacell's product literature for specific application of the formance in accordance with Article 7(3) of Regulation [EUI] No 305/2011 is available at www.armacell.com/DoP. Approvals and compliance Declaration of performance ETA-22/0063 acc. EN 1366-3 **CETA-22/0063 acc. EN 1366-3 **ETA-22/0063 acc. EN 1366	Special features			
Installation For professional use only. Refer to third party published listings, national approvals / assessmento 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 www.armacellt.com/DoP. Approvals and compliance ETA-22/0063 acc. EN 1366-3 Property Value / Assessment Standard / Test method Operating temperature -40°C to -70°C [-40°F to 158°F] Processing Temperature 5°C to 25°C [41°F to 77°F] Fire Performance and Approvals Reaction to line 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 Concrete wall, areated concrete wall, massonry wall, concrete floor; up to E1 240 E340, EN 13501-1 Use category ArmaProtect ABILE Firestop foller mastic: 1.34 - 1.48 g/cm² [41.20 °C) ArmaProtect ABILE Firestop faller mastic: 1.34 - 1.48 g/cm² [41.20 °C) ArmaProtect ABILE Firestop faller mastic: 1.34 - 1.48 g/cm² [41.20 °C) ArmaProtect ABILE Firestop faller mastic: 1.34 - 1.48 g/cm² [41.20 °C) ArmaProtect ABILE Firestop faller mastic: 80 g/l ArmaProte	Product range	- One-side coated board: 1000 mm x 600 mm x 60 mm with dry-film thickness of 0.7 mm - Two-side coated board: 1000 mm x 600 mm x 60 mm with dry-film thickness of 0.7 mm ArmaProtect ABLC ablative firestop coating is available in pails of 12.5 kg and 15 kg.		
Declaration of performance Declaration of Performance in accordance with Article 7(3) of Regulation (EU) No 305/2011 is available at www.armacell.com/DoP.	Applications			
Approvals and compliance Specification compliance * 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 S°C to 25°C (41°F to 77°F) Fire Performance and Approvals Reaction to fire Class E 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 UL approved system; FT-Rating - up to 3 hours EN14, EN 13501-2 Physical attributes Density ArmaProtect ABLC Firestop coating; 1.34 - 1.48 g/cm² (at 20°C) ArmaProtect ABLC Firestop coating; 5.9 g/l Wolci content Wolci to organic compounds ArmaProtect ABLC Firestop coating; 5.9 g/l ArmaProtect ABLC Firestop coating; 5.9 g/l Wolci content Wolci to organic compounds ArmaProtect ABLC Firestop coating; 5.9 g/l ArmaProtect ABLC Firestop coating; 5.9 g/l Wolci content Health and environment Wolatile organic compounds ArmaProtect ABLC Firestop coating; 5.9 g/l ArmaProtect ABLC Firestop coating; 5.9 g/l Wolci content Health and environment No dangerous No dangerous substances. Wolci content Emission of dangerous No dangerous substances. Substances Other technical features Cure time Dust-dry; > 4 h /(23°C / 65% relative humidity) 2nd layer; > 8 h /(23°C / 65% relative humidity) 2nd layer; > 8 h /(23°C / 65% relative humidity) 2nd layer; > 8 h /(23°C / 65% relative humidity) ArmaProtect CB Coated firestop board; 5°C to 25°C (41°F to 77°F)	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.		
Specification compliance * 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 Processing temperature S°C to 25°C (41°F to 77°F) Fire Performance and Approvats 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 oblimation of structural oblimation of systems. FT-Rating - up to 3 hours Density ArmaProtect ABLC Firestop coating: 1.34 - 1.48 g/cm³ (at 20 °C) ArmaProtect ABLC Firestop coating: 1.34 - 1.48 g/cm³ (at 20 °C) ArmaProtect ABLC Firestop filter mastic: 1.34 - 1.48 g/cm³ (at 20 °C) ArmaProtect ABLC Firestop filter mastic: 50 g/I Health and environment Volatile organic compounds ArmaProtect ABLC Firestop filter mastic: 50 g/I Health aspects Please refer to the safety data sheet available on our website. Emission of dangerous No dangerous substances. Substances Other technical features Cure time Dust-dry: > 4 h 23 °C / 65% relative humidity) 2nd layer: > 8 h (23 °C / 65% relative humidity) 2nd layer: > 8 h (23 °C / 65% relative humidity) ArmaProtect CB Coated firestop board: 5°C to 25°C (41°F to 77°F)	Declaration of performance	Declaration of Performance in accordance with Article 7(3) of Regulation (EU) No 305/2011 is available at w	www.armacell.com/DoP.	
Property Value / Assessment Standard / Test method Operating temperature Operating temperature Operating temperature -40°C to +70°C (-40°F to 158°F) Processing Temperature Processing temperature S°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 Concrete wall, aerated concrete wall, masonry wall, concrete floor: up to EI 240 ANSI/UL 1479 (ASTM EB14), EN 13501-2 Physical attributes Density ArmaProtect ABLC Firestop coating: 1.34 - 1.48 g/cm³ (at 20 °C) ArmaProtect ABLC Firestop filter mastic: 1.34 - 1.48 g/cm³ (at 20 °C) Health and environment Volatitie organic compounds ArmaProtect ABLC Firestop filter mastic: +50 g/l Standard Health aspects Please refer to the safety data sheet available on our website. Enicsion of dangerous Other technical features Cure time Dust-dry: > 4 h (23 °C / 65% relative humidity) 2nd layer: > 8 h (23 °C / 65% relative humidity) 2nd layer: > 8 h (23 °C / 65% relative humidity) 2nd layer: > 8 h (23 °C / 65% relative humidity) 2nd layer: > 8 h (24 °C / 65% relative humidity) 2nd layer: > 8 h (24 °C / 65% relative humidity) 3nd layer: > 8 h (24 °C / 65% relative humidity) 3nd layer: > 8 h (24 °C / 65% relative humidity) 3nd layer: > 8 h (24 °C / 65% relative humidity) 3nd layer: > 8 h (24 °C / 65% relative humidity) 3nd layer: > 8 h (24 °C / 65% relative humidity) 3nd layer: > 8 h (24 °C / 65% relative humidity) 3nd layer: > 8 h (24 °C / 65% relative humidity) 3nd layer: > 8 h (24 °C / 65% relative humidity) 3nd layer: > 8 h (24 °C / 65% relative humidity) 3nd layer: > 8 h (24 °C / 65% relative humidity) 3nd layer: > 8 h (24 °C / 65% relative humidity) 3nd layer: > 8 h (24 °C / 65% relative humidity) 3nd layer: > 8 h (24 °C / 65% relative humidity) 3nd layer: > 8 h (24 °C / 65% relative humidity) 3nd layer: > 8 h (24 °C / 65% relative humidity) 3nd layer: > 8 h (24 °C / 65% relative humid	Approvals and compliance			
Operating temperature Operating temperature Operating temperature -40°C to +70°C [-40°F to 158°F] Processing Temperature -70°C [-40°F to 158°F] Processing temperature -70°C [-40°F to 158°F] Processing temperature -70°C [-40°F to 77°F] Fire Performance and Approvals Reaction to fire -70°C [-40°F to 77°F] Class E -70°C [-40°F to 77°F] EDIA TR 024 Passive fire Protection -70°C [-40°F to 77°F] EDIA TR 024 Passive fire protection -70°C [-40°F to 77°F] EDIA TR 024 Passive fire protection -70°C [-40°F to 77°F] EDIA TR 024 ANSI/UL 1479 [ASTM] EB14], EN 13901-2 Physical attributes Density -70°C [-40°F to 77°F] ArmaProtect ABLC Firestop coating: 1.34 - 1.48 g/cm² [at 20°C] -70°C [-40°F to 77°F] Health and environment Volatile organic compounds -70°C [-40°F to 158°F] -70°C [-40°F to 77°F] ArmaProtect ABLC Firestop coating: <50 g/l -70°C [-40°F to 77°F] ArmaProtect ABLC Firestop filter mastic: <50 g/l -70°C [-40°F to 77°F] Density -70°C [-40°F to 77°F] EDIA TR 024 Fire temperature -70°C [-40°F to 77°F] EDIA TR 024 Fire temperature -70°C [-40°F to 77°F] Fire Performance and Approvals -70°C [-40°F to 77°F] Fire Performance and Approvals -70°C [-40°F to 77°F] EDIA TR 024 Fire Performance and Approvals -70°C [-40°F to 77°F] Fire Performance and Approvals -70°C [-40°F to 77°F] Fire Performance and Approvals -70°C to 25°C [41°F to 77°F] Fire Performance and Approvals -70°C to 25°C [41°F to 77°F] Fire Performance and Approvals -70°C to 25°C [41°F to 77°F]	Specification compliance	• ETA-22/0063 acc. EN 1366-3		
Operating temperature -40°C to +70°C (-40°F to 158°F) 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 Cult. aproved system: FT-Rating - up to 3 hours Concrete wall, aerated concrete wall, masonry wall, concrete floor: up to EI 240 Ut. approved system: FT-Rating - up to 3 hours AnnaProtect ABLC Firestop coating: 1.34 - 1.48 g/cm³ (at 20 °C) ArmaProtect ABLC Firestop filler mastic: 1.34 - 1.48 g/cm³ (at 20 °C) ArmaProtect ABLC Firestop coating: -50 g/L Volc content ArmaProtect ABLC Firestop foating: -50 g/L ArmaProtect ABLC Firestop filler mastic: -50 g/L Emission of dangerous substances Other technical features Cure time Dust-dny: -4 h 123 °C / 65% relative humidity) 2nd layer: -8 h 123 °C / 65% relative humidity) 2nd layer: -8 h 123 °C / 65% relative humidity) 2nd layer: -8 h 123 °C / 65% relative humidity) Shelf life¹ Can be kept for at least 18 months if unopened and stored property. Storage ArmaProtect CB Coated firestop board: 5°C to 25°C (41°F to 77°F)	Property	Value / Assessment		
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 UL approved system: FT-Rating - up to 3 hours Physical attributes Density ArmaProtect ABLC Firestop coating: 1.34 - 1.48 g/cm³ (at 20 °C) ArmaProtect ABLF Firestop filler mastic: 1.34 - 1.48 g/cm³ (at 20 °C) Health and environment Volatile organic compounds ArmaProtect ABLC Firestop coating: < 50 g/L (VOC) content Please refer to the safety data sheet available on our website. Emission of dangerous substances Other technical features Cure time Dust-dry: > 4 h (23 °C / 65% relative humidity) 2nd layer: > 8 h (23 °C / 65% relative humidity) 2nd layer: > 8 h (23 °C / 65% relative humidity) Shelf Life¹ Can be kept for at least 18 months if unopened and stored property. Storage ArmaProtect CB Coated firestop board: 5°C to 25°C (41°F to 77°F)	Operating 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 UL approved system: FT-Rating - up to 3 hours ArmaProtect ABLC Firestop coating: 1.34 - 1.48 g/cm³ (at 20 °C) ArmaProtect ABLF Firestop filter mastic: 1.34 - 1.48 g/cm³ (at 20 °C) ArmaProtect ABLF Firestop filter mastic: 50 g/L NoCl content ArmaProtect ABLF Firestop filter mastic: 50 g/L Health and environment Volatile organic compounds (NOC) content ABLF Firestop filter mastic: 50 g/L Health aspects Please refer to the safety data sheet available on our website. Emission of dangerous substances Other technical features Cure time Dust-dry: > 4 h [23 °C / 65% relative humidity) Fully cured: > 4 d (23 °C / 65% relative humidity) Fully cured: > 4 d (23 °C / 65% relative humidity) Fully cured: > 4 d (23 °C / 65% relative humidity) Shelf tife¹ Can be kept for at least 18 months if unopened and stored property. Storage ArmaProtect CB Coated firestop board: 5°C to 25°C (41°F to 77°F)	Operating temperature	-40°C to +70°C (-40°F to 158°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 UL approved system: FT-Rating - up to 3 hours Physical attributes Density ArmaProtect ABLC Firestop coating: 1.34 - 1.48 g/cm³ [at 20 °C] ArmaProtect ABLF Firestop filter mastic: 1.34 - 1.48 g/cm³ [at 20 °C] ArmaProtect ABLF Firestop filter mastic: 50 g/l NOCI content ArmaProtect ABLF Firestop filter mastic: < 50 g/l Health and environment Volatile organic compounds ArmaProtect ABLF Firestop filter mastic: < 50 g/l Health aspects Please refer to the safety data sheet available on our website. Emission of dangerous substances Other technical features Cure time Dust-dry: > 4 h [23 °C / 65% relative humidity] Fully cured: > 4 d [23 °C / 65% relative humidity] Fully cured: > 4 d [23 °C / 65% relative humidity] Shelf life¹ Can be kept for at least 18 months if unopened and stored property. Storage ArmaProtect CB Coated firestop board: \$°C to 25°C (41°F to 77°F)	Processing Temperature			
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 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] ArmaProtect ABLF Firestop filler mastic: 1.34 - 1.48 g/cm³ [at 20 °C] ArmaProtect ABLF Firestop poating: < 50 g/L Health and environment Volatitle organic compounds ArmaProtect ABLF Firestop filler mastic: < 50 g/L Health aspects Please refer to the safety data sheet available on our website. Emission of dangerous substances. Other technical features Cure time Dust-dry: > 4 h [23 °C / 65% relative humidity]	Processing temperature	5°C to 25°C (41°F to 77°F)		
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 El 240 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] ArmaProtect ABLF Firestop filler mastic: 1.34 - 1.48 g/cm³ (at 20 °C) Health and environment Volatile organic compounds [NOC] content ArmaProtect ABLF Firestop filler mastic: < 50 g/L Standard GS-11, Green Seal Standard GS-11, Green Seal Standard Cure time Dust-dry: > 4 h [23 °C / 65% relative humidity] 2nd layer: > 8 h [23 °C / 65% relative humidity] Fully cured: > 4 d [23 °C / 65% relative humidity] 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)	Fire Performance and Approvals			
Passive fire protection Fire resistance of structural element UL approved system: FT-Rating – up to 3 hours Physical attributes Density ArmaProtect ABLC Firestop coating: 1.34 - 1.48 g/cm³ [at 20 °C] ArmaProtect ABLF Firestop filler mastic: 1.34 - 1.48 g/cm³ [at 20 °C] Health and environment Volatile organic compounds ArmaProtect ABLF Firestop filler mastic: < 50 g/l (NOC! content ARLF Firestop filler mastic: < 50 g/l Health aspects Please refer to the safety data sheet available on our website. Emission of dangerous substances. Substances Other technical features Cure time Dust-dry: > 4 h [23 °C / 65% relative humidity] 2nd layer: > 8 h [23 °C / 65% relative humidity] Fully cured: > 4 d [23 °C / 65% relative humidity] Fully cured: > 4 d [23 °C / 65% relative humidity] Fully cured: > 4 d [23 °C / 65% relative humidity] 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)	Reaction to fire	Class E	EN 13501-1	
Fire resistance of structural element 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] ArmaProtect ABLF Firestop filler mastic: 1.34 - 1.48 g/cm³ [at 20 °C] Health and environment Voltatile organic compounds (VOC) content Please refer to the safety data sheet available on our website. Emission of dangerous substances. Substances Other technical features Cure time Dust-dry: > 4 h (23 °C / 65% relative humidity) 2nd layer: > 8 h (23 °C / 65% relative humidity) Fully cured: > 4 d (23 °C / 65% relative humidity) Fully cured: > 4 d (23 °C / 65% relative humidity) Shelf life¹ Can be kept for at least 18 months if unopened and stored property. Storage ArmaProtect CB Coated firestop board: 5°C to 25°C (41°F to 77°F)	Use category	Type X: intended for use in conditions exposed to weathering	EOTA TR 024	
Physical attributes Density ArmaProtect ABLC Firestop coating: 1.34 - 1.48 g/cm³ (at 20 °C) ArmaProtect ABLF Firestop filler mastic: 1.34 - 1.48 g/cm³ (at 20 °C) Health and environment Volatile organic compounds (VOC) content ArmaProtect ABLF Firestop filler mastic: < 50 g/l Standard Health aspects Please refer to the safety data sheet available on our website. Emission of dangerous substances. Other technical features Cure time Dust-dry: > 4 h (23 °C / 65% relative humidity) 2nd layer: > 8 h (23 °C / 65% relative humidity) Fully cured: > 4 d (23 °C / 65% relative humidity) 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)	Passive fire protection			
Density ArmaProtect ABLC Firestop coating: 1.34 - 1.48 g/cm³ (at 20 °C) 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 GS-11, Green Seal Standard Health aspects Please refer to the safety data sheet available on our website. Emission of dangerous substances. Substances Other technical features Cure time Dust-dry: > 4 h (23 °C / 65% relative humidity) EUlty cured: > 4 d (23 °C / 65% relative humidity) Fully cured: > 4 d (23 °C / 65% relative humidity) 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)	Fire resistance of structural element			
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 ArmaProtect ABLF Firestop filler mastic: < 50 g/l Standard Health aspects Please refer to the safety data sheet available on our website. Emission of dangerous substances. Other technical features Cure time Dust-dry: > 4 h (23 °C / 65% relative humidity) Eully cured: > 8 h (23 °C / 65% relative humidity) Fully cured: > 4 d (23 °C / 65% relative humidity) 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)	Physical attributes			
Volatile organic compounds (VOC) content ARLC Firestop coating: < 50 g/l ArmaProtect ABLC Firestop filler mastic: < 50 g/l Standard Health aspects Please refer to the safety data sheet available on our website. Emission of dangerous substances. Other technical features Cure time Dust-dry: > 4 h (23 °C / 65% relative humidity) 2nd layer: > 8 h (23 °C / 65% relative humidity) Fully cured: > 4 d (23 °C / 65% relative humidity) 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)	Density			
Standard	Health and environment			
Emission of dangerous substances. Other technical features Cure time Dust-dry: > 4 h [23 °C / 65% relative humidity] 2nd layer: > 8 h [23 °C / 65% relative humidity] Fully cured: > 4 d [23 °C / 65% relative humidity] 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]	Volatile organic compounds (VOC) content		•	
Other technical features Cure time Dust-dry: > 4 h (23 °C / 65% relative humidity) 2nd layer: > 8 h (23 °C / 65% relative humidity) Fully cured: > 4 d (23 °C / 65% relative humidity) 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)	Health aspects	Please refer to the safety data sheet available on our website.		
Cure time Dust-dry: > 4 h [23 °C / 65% relative humidity] 2nd layer: > 8 h [23 °C / 65% relative humidity] Fully cured: > 4 d [23 °C / 65% relative humidity] 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]	Emission of dangerous substances	No dangerous substances.		
2nd layer: > 8 h (23 °C / 65% relative humidity) Fully cured: > 4 d (23 °C / 65% relative humidity) 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)	Other technical features			
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)	Cure time	2nd layer: > 8 h (23 °C / 65% relative humidity)	EOTA TR 024	
	Shelf life ¹	· · · · · · · · · · · · · · · · · · ·		
	Storage			

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.	

¹ArmaProtect 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.

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 your data, please visit our Data Protection Policy.

Trademarks followed by ® or ™ are trademarks of the Armacell Group. © Armacell, 2023 All rights reserved.

TDS | 032024 | en-GB

ABOUT ARMACELL

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.

