



FOR FIRESTOP PIPES AND
CABLES

ArmaProtect 1000

Firestop filler

- // Sealing annular gap in applications using ArmaFlex Protect
- // For pipe and cable penetrations in accordance with the German MLAR



 **armacell**[®]
ArmaProtect[®]

TECHNICAL DATA - ARMAPROTECT 1000

Brief description	ArmaProtect 1000 Firestop Filler is a particularly practical, ready-to-use, high-temperature resistant mortar with excellent fire protection, thermal insulation and noise control properties. It is self-hardening and very easy to apply by hand. No need for formwork – and it can be used even in tight spots.
Material type	High-temperature resistant mortar with hollow microspheres and inorganic binding agents.
Product colour range	Light grey
Applications	Ideal system solution for sealing the annular gap in applications using ArmaFlex Protect. Furthermore, in accordance with the German MLAR 2020, ArmaProtect 1000 can be used for penetrations with individual pipes or even electricity cables. Only for indoor use.
Installation	The ready-to-use ArmaProtect 1000 Firestop Filler is supplied in buckets / handy plastic bag and can be applied using either a spatula or fingers. The substrate must be dry and free of dust and grease. The room temperature must not fall below 5 °C during application. Once it has dried hard, the Firestop Filler can be sanded, drilled and cut without any difficulties. The drying time per cm layer thickness is approx. 48 hours at room temperature. High humidity, low temperature and as well limited convection extend the drying time.
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 .

Property	Value / Assessment	Standard / Test method
Thermal conductivity		
Declared thermal conductivity	Øm	10 °C
	$\lambda_d \leq [W/(m \cdot K)]$	0.052
	Remarks	λ_d is valid for the dry material.
Fire Performance and Approvals		
Reaction to fire	Class A1 - non-combustible	EN 13501-1, EN ISO 1716, EN ISO 1182
Fire performance		
Melting point [°C]	≥ 1000	DIN 4102-17
Corrosion mitigation		
Leachable (water-soluble) chlorides	≤ 0,01%	EN 998-2
Physical attributes		
Density	approx. 180 kg/m ³ (after drying)	
Mechanical properties		
Compressive strength	0,4 N/mm ² (MPa)	EN 998-2
Health and environment		
Health aspects	Please refer to latest product Safety Datasheet (SDS).	
Other technical features		
Shelf life	24 months in sealed original container.	
Storage	In a cool and dry place. Protect from temperatures below +5 °C!	
Yield	1:1	

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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.



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