



INSTALL IT. SAFEGUARD YOUR EQUIPMENT.

Arma-Chek Mastic Grey

Adhesive and sealing product to provide additional protection to all Arma-Chek R glued seams

- // Ensures durable, vapour tight bonding
- // Fast and precise application with convenient cartridges
- // Industrial grade sealant specially formulated for Arma-Chek R covering
- // Excellent UV and weathering resistance



 **armacell**[®]
ArmaClad[™]

TECHNICAL DATA - ARMA-CHEK MASTIC GREY

Brief description	Arma-Chek Mastic Grey is an adhesive and a sealing product designed to give additional and long-life protection to all Arma-Chek R glued seams and joints in external environment.
Product colour range	Grey
Product range	290 ml cartridges
Applications	Before applying the mastic to all seams and joints, check that they are completely sealed with the correct type of ArmaFlex® adhesive, and securely fixed down. Check that the seams and joints are clean, dry and free from contamination before applying the mastic. All seams and joints shall have a minimum thickness of 10 mm wide and 3 mm thick mastic "beading" applied.
Installation	The ArmaFlex and ArmaClad Arma-Chek installation manuals should be consulted before assembly. We offer special installation courses for the application of ArmaClad Arma-Chek.
Remarks	The Arma-Chek Mastic should not be used on a stand-alone basis to fix and bond the coverings.

Property	Value / Assessment				Standard / Test method
Temperature range					
Service temperature	Min. °C	Min. °F	Max. °C	Max. °F	EN 14706 ¹
	-40	-40	120	248	
Corrosion mitigation					
Leachable (water-soluble) chlorides	≤ 30 ppm (mg/kg or µg/g)				EN 13468, ASTM C871 ²
Mechanical properties					
Tensile strength	≥ 2.9 MPa				ISO 37 ³
Elongation	≥ 200%				ISO 37 ³
Hardness (Shore A)	≥ 50				ISO 7619-1, ISO 48-4
Weather and UV resistance					
UV resistance ⁴	Excellent				EN ISO 4892-2
Weather resistance	Excellent				
Other technical features					
Additional remarks	Material type: Sealant based on silane modified polymers				
Application conditions ^{5,6,7}	Application temperature: +5°C to +35°C (+41°F to +95°F) Max. relative humidity: 80%				
Disposal and recycling	Please refer to Safety Data Sheet				
Shelf life	18 months				
Storage	Should be stored in cool and dry rooms. Recommended storage temperature 5 to 30°C. The container should be kept dry and sealed. Packaging must be emptied of all residues. Packaging with traces of cured product can be recycled. Packaging with uncured product must be disposed of in the same manner as the medium.				
Working time ⁸	Open time: < 15 min. Skin forming time: < 13 min. Curing rate after 24 hrs: appr. 3 mm The above data is valid at 23°C and 50% relative humidity.				

¹ Tested in a system comprising of ArmaFlex and ArmaClad Arma-Chek R covering.

² Specimen prepared according to EN 13486: neither cut, ground nor blended. Test temperature +100°C, leaching time 0.5 hours as specified in the standard for product maximum service temperature.

³ Dumb-bell type II test piece.

⁴ Xenon-arc with 5000 hr exposure and +60 °C black panel temperature. 1000h: no cracking, no visible discoloration. 3000/5000h: cracking under microscope, slight discoloration.

⁵ Application temperature refers to the ambient temperature during installation and the surface temperature of the substrate (e.g. ArmaClad Arma-Chek R covering) to which the product is installed.

⁶ In some cases it may be necessary to avoid exposure of the substrate to strong sunlight.

⁷ Please consult our Technical Services for further recommendations and guidance on the use of ArmaClad Arma-Chek Mastic.

⁸ The application temperature shall not exceed +35°C for a period of 6 to 8 hours following application and shall not fall below +5°C for the entire duration of the cure. The cure duration depends on ambient air humidity and temperature and on the thickness of the bead.

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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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