



INSTALL IT. TRUST IT.

ArmaFlex

Ultima EC0550 Adhesive

Upgraded formula for low-smoke requirements, reduced environmental impact

- // Specially formulated for all ArmaPrene based products
- // Meeting the highest fire and smoke requirements
- // System solution for low-smoke insulation
- // Proven reliability of ArmaFlex adhesives
- // Enhanced efficiency: same results with only a third of the product
- // Designed for a more eco-friendly solution
- // Meeting leading green building standards
- // Free from hazardous components for safer use
- // Easy storage, shipping, and disposal
- // Efficiency boost: save time with add-on ArmaFlex EC0550 Activator

www.armacell.com



 **armacell**[®]
ArmaFlex[®]

TECHNICAL DATA - ARMAFLEX ULTIMA ECO550 ADHESIVE

Brief description	Solvent-free polychloroprene contact adhesive as single-component or two-component adhesive
Material type	Solvent-free dispersion adhesive based on synthetic latex.
Additional material information	Liquid
Product colour range	Blue
Special features	Specifically formulated water-based adhesive for uniform and safe seam-bonding of flexible ArmaFlex Ultima insulation materials based on ArmaPrene synthetic rubber.
Applications	Work should not be carried out on plants in operation or areas exposed to strong sunlight and high windspeed. Apply thinly with a brush or lacquer foam roller to the areas to be bonded. In case of contact adhesion press together with force during the contact adhesion time. Adhesive bond reaches full strength after 36 hours. The system should not be operated during this period and any self-adhesive tapes or protective coatings should only be applied after this period has elapsed. For further details see ArmaFlex ECO550 Adhesive application manual.
Installation	Clean dirty surfaces and the ArmaFlex surface before starting the application with the adhesive. Compatibility with bases: very good adhesion to metallic base. The compatibility with colour-coated surfaces with adhesive needs to be tested.
Remarks	The application of ArmaFlex Ultima ECO550 adhesive shall be performed only by certified users. Before starting application work, a practical instruction training performed by the Armacell Technical Customer Service is obligatory

Property	Value / Assessment		Standard / Test method
Temperature range			
Service temperature	Min. °C ¹	Max. °C	
	-50	100	
Weather and UV resistance			
Weather resistance	Very good		
Health and environment			
Volatile organic compounds (VOC) content	Fulfills VOC requirements.		
Health aspects	MSDS available on request.		
Other technical features			
Application conditions	Application temperature: ideally between + 15 °C and + 20 °C, not below +5 °C. The maximum relative humidity must not exceed 70%.		
Disposal and recycling	Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company. Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer. More details see relevant Safety Data Sheet.		
Flash point ²	223°C		
Hazard class	Not relevant.		
Shelf life	12 months		
Storage	Material shall be stored in the sealed original container. In a cool (preferably not under +15 °C and not over + 35 °C) and dry place. Protect from temperatures below +5 °C. Do not store below 0°C.		
Working time	at 20 °C : 1. Minimum drying time (airing time): > 2-3 minutes 2. Contact adhesion time (open time): max. 15 Minutes 3. Setting time: 36 hours		
	The airing and open time depends on the quantity as well as indoor climate conditions.		
Yield	Yield of the adhesive applied to both surfaces: ArmaFlex tubes (thickness > consumption butt joint > consumption butt joint + longitudinal joint): 10 mm > 0,5 g/m > 2 g/m 20 mm > 1 g/m > 4 g/m 30 mm > 1,5 g/m > 6 g/m 40 mm > 2 g/m > 8 g/m ArmaFlex sheets: 30-40 g/m²		

Property	Value / Assessment	Standard / Test method
These figures are a guide only.		

¹For temperatures below -50 °C please contact our Customer Service Center to request for the corresponding technical information.

²more information is available in MSDS.

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.

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, 2025. All rights reserved.

Adhesive and cleaner | ArmaFlex Ultima EC0550 Adhesive | TDS | 012025 | 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.



For more information, please visit:
www.armacell.com