

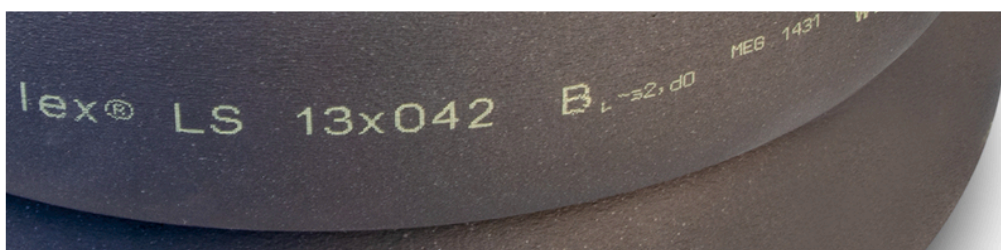
INSTALL IT. TRUST IT.

# ArmaFlex LS

Highly flexible insulation with reduced smoke density

- // Faster and more cost-effective installation at low temperatures
- // Complete range B/B(L)-s2,d0
- // Continuous quality control ensures reliability

[www.armacell.eu](http://www.armacell.eu)



 **armacell**<sup>®</sup>  
ArmaFlex<sup>®</sup>

INSTALL IT. TRUST IT.

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# ArmaFlex LS



## // The New Standard in B<sub>L</sub>-s2 Flexibility

With ArmaFlex LS tubes you can keep your cool when the thermometer drops. Typical B<sub>L</sub>-s2,d0 products tend to lose their flexibility at low temperatures, whereas the new ArmaFlex LS stays flexible – even at +5 °C. Comparative tests have shown that ArmaFlex is faster and more cost-efficient to install than mineral fibre and rigid foam products.

**Benefit from the new s2 flexibility.**



## // Committed to Excellence

Every year, Armacell invests a significant single digit million euro amount in conducting fire tests. Armacell's R&D activities focus on developing new and innovative insulation solutions and on continuously improving certified product performance. State-of-the-art product testing centres closely monitor product performances in-house on an ongoing basis. Armacell's European fire test laboratory alone annually undertakes around 5,000 fire tests.

**Install it, trust it.**



## // Reliability First

In building fires, smoke spreads rapidly, reducing visibility and blocking escape and rescue routes. The new ArmaFlex LS tubes release 50% less smoke than common flexible elastomeric foam tubes allowing occupants more time to escape and permitting rescue teams to enter effectively. ArmaFlex Low Smoke can extend evacuation time in your customers' premises.

## TECHNICAL DATA - ARMAFLEX LS

Brief description	Flexible elastomeric foam with low smoke density and a closed-cell material structure.
Material type	Factory-made flexible elastomeric foam (FEF), according to EN 14304. Elastomeric foam based on synthetic rubber.
Product colour range	Black
Applications	Insulation/protection for pipes, air ducts, vessels (including elbows, fittings, flanges, etc.) of air-conditioning/refrigeration and process equipment to prevent condensation and save energy.
Installation	Certified and compatible adhesive for a long-term performing system is ArmaFlex 525. Please refer to the ArmaFlex application manual for advice. For further information please contact our Customer Service Centre.

Property	Value / Assessment	Standard / Test method
<b>Temperature range</b>		
Service temperature <sup>1</sup>	Min. °C	Max. °C
	-50	110
	Remarks	+85 °C if sheet or tape is glued to the object with its whole surface +85 °C for tapes
<b>Thermal conductivity</b>		
Declared thermal conductivity	Øm	0 °C
	$\lambda d \leq [W/(m \cdot K)]$	0.037
	Formula	$\lambda d = [37 + 0,1 \cdot \varnothing m + 0,0008 \cdot \varnothing m^2]/1000$
<b>Fire Performance and Approvals</b>		
Reaction to fire	Tubes: B(L)-s2,d0 Sheets, Tape: B-s2,d0 Tubes/sheets with ArmaFix AF pipe hanger: B(L)-s2,d0	EN 13501-1, EN ISO 11925-2, EN 13823
<b>Fire performance</b>		
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames, low smoke development	
<b>Physical attributes</b>		
Dimensions and tolerances	in accordance with EN 14304, table 1	EN 822, EN 823, EN 13467
<b>Weather and UV resistance</b>		
UV resistance <sup>2</sup>	Protection against UV-radiation is necessary. [See Technical Bulletin no. 142.]	
<b>Health and environment</b>		
Volatile organic compounds (VOC) content	Fulfills all VOC requirements (French, Italian, Belgian, German AgBB, Blauer Engel and Eurofins Indoor Air Comfort GOLD).	
Green building assessment	Meets the sustainable construction requirements for LEED v4.1, BREEAM international and WELL v2.	
Additional features	SCCP, MCCP-free	
<b>Other technical features</b>		
Shelf life	Self-adhesive tapes, self-adhesive sheets, self-adhesive tubes: 1 year	
Storage	Can be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0 °C – 35 °C).	

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

<sup>2</sup> If ArmaFlex is used outdoors or in applications under UV radiation, it should be protected with a covering such as Arma-Chek within 3 days of installation.

# 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**

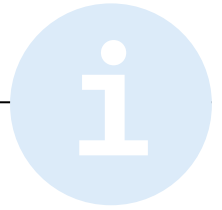
At Armacell, we do everything we can to ensure your project runs smoothly. This is why the information about the Armacell services you benefit from is available 24/7 from Armacell.com website as well as from our planning tools (BIM, specification documents, ArmaWin, as well as our sustainable building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

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.

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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)