



INSTALL IT. BENEFIT FROM
THE RANGE.

Tubolit S

The insulation to prevent transmission of
structure-borne noise

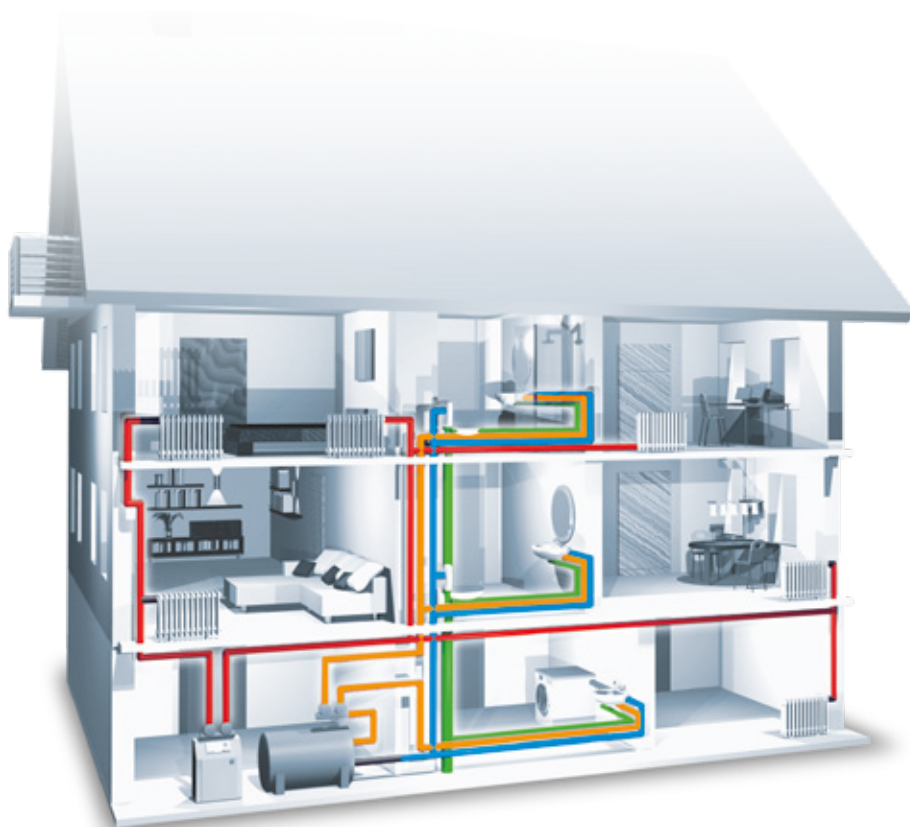
- // Improved acoustic comfort by de-coupling the pipe
from the building structure
- // Pipe protection against aggressive building materials
- // Effective thermal insulation to reduce heat losses



 **armacell**[®]
ArmaLight[™]

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ArmaLight Tubolit



ArmaLight Tubolit saves energy, improves acoustic comfort in buildings and protects pipes installed within the building shell. ArmaLight Tubolit is the most complete range of thermal, acoustical and protective insulation products for installations of heating, domestic hot and cold water and sewage pipes in both residential as well as public and commercial buildings.

— Heating — Domestic hot water
— Cold water pipes — Waste water

Typical application areas

Product	Type of installation				Additional Benefit /Requirement				
	Heating	Domestic hot water	Cold water pipes	Waste water	Extra protection	50% faster application	Noise reduction	Under plaster	Under floor
ArmaLight Tubolit									
DG	•••	•••	••						
DG self-seal	•••	•••	••			✓			
DG-B1	•••	•••	••						
DG Plus	•••	•••	••						
S	•••	•••	••		✓		✓	✓	
S Plus			•••		✓		✓	✓	
DHS Quadra	•••				✓		✓		✓
AR Fonowave				•••	✓		✓		
AR Fonoblok				•••	✓		✓		

TECHNICAL DATA - TUBOLIT S

Brief description	Flexible, closed-cell extruded insulation material to reduce heat losses and noise on heating and plumbing installations
Material type	Factory made polyethylene foam (PEF) according to EN 14313.
Product colour range	Grey foam with blue or red covering
Special features	Foil coating on outer surface for additional protection of insulation surface.
Applications	Insulation/protection of pipes (heating system pipes, domestic hot and cold water pipes) and other parts of heating and plumbing installations (including elbows, fittings, flanges, etc)
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 .
Remarks	After installation linear shrinkage of approx. 2% (or more in particular cases) may occur during the initial and even later phase of system operation. Under certain conditions (e.g. high humidity, main distribution pipes, pipes with constant or almost constant flow) cold water pipelines must be insulated with Armaflex, just the same as chilled water pipes in air-conditioning systems.

Property	Value / Assessment	Standard / Test method
Operating temperature		
Operating temperature	Maximum temperature: 100°C +85 °C for tapes Minimum temperature: As is usual in heating and plumbing installations	EN 14707, EN 14313
Thermal conductivity		
Declared thermal conductivity	ϑ_m	40°C
	$\lambda_d \leq [W/(m \cdot K)]$	0.04
	Range	Tubolit S tubes
	Formula	$[36 + 0,1 \cdot \vartheta_m + 0,0008 \cdot (\vartheta_m - 40)^2]/1000$
Fire Performance and Approvals		
Reaction to fire	Tubolit S wall thickness 6-13 mm : B(L)-s1,d0 Tubolit S wall thickness 14-27 mm: E(L)	EN 13501-1, EN ISO 11925-2, EN 13823
Physical attributes		
Dimensions and tolerances	In accordance with EN 14313, table 1 and 2	EN 822, EN 823, EN 13467
Health and environment		
Volatile organic compounds (VOC) content	Fulfills all VOC requirements (French, Italian, Belgian, German AgBB, Blauer Engel and Eurofins Indoor Air Comfort GOLD).	ISO 16000 Parts 3, 6 & 9
Additional features	SCCP, MCCP-free	
Other technical features		
Shelf life	Tapes self-adhesive and tubes self-seal: 1 year	
Storage	Can be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0 °C - 35 °C).	

Tube – standard. Grey foam with blue covering

9 mm			13 mm		
Pipe Ø [mm]	Item	Content [metric]	Pipe Ø [mm]	Item	Content [metric]
15	TL-15/9-S	234 m	15	TL-15/13-S	172 m
22	TL-22/9-S	178 m	22	TL-22/13-S	128 m
28	TL-28/9-S	130 m	28	TL-28/13-S	98 m
35	TL-35/9-S	96 m	35	TL-35/13-S	72 m
42	TL-42/9-S	72 m	42	TL-42/13-S	56 m
48	TL-48/9-S	70 m	-	-	-

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.

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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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