INSULATION RANGE FOR DOMESTIC HEATING & PLUMBING

Tubolit

2019 UK Catalogue







FOR DOMESTIC HEATING & PLUMBING PIPEWORK

Tubolit DG

The economic insulation for effective energy saving

- // Flexible PE insulation material to save energy and improve acoustic comfort for domestic heating and plumbing applications
- // Meets Domestic Building Services Compliance Guide (DBSCG) Part L recommendations
- // FM and UL approved
- // Matching range for plastic pipe sizes





TECHNICAL DATA - TUBOLIT DG

Brief description	Extruded flexible closed-cell insulation material to reduce heat loss and noise on domestic heating and plumbing installations.						
Material type	Foam material based on polyethylene. Factory made polyethylene foam (PEF) according to EN 14313						
Colour	Grey						
Material Special information	Self-adhesive coating on tap with polyethylene foil.	oes and tubes: Pressure-sensi	itive adhesive coating on modified	l acrylate basis with mesh structure covered			
Product range	1 and 2m length tubes.						
pplication	Insulation / protection of pipe installations (incl. elbows, fit		nestic hot and cold water pipes) ar	nd other parts of heating and plumbing			
Assembly	certain conditions (e.g high h	After installation linear shrinkage of approx 2% or more 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 flow) cold water pipelines must be insulated with Armaflex, as with chilled water pipes in air-conditioning systems.					
Approval compliance	Declaration of Performance	is available in accordance with	n Article 7 (3) of Regulation (EU) N	lo 305/2011 at www.armacell.com/DoP.			
Property	Value/Assessment	Value/Assessment Standard/					
Temperature range *1							
	Max. service temperature	+100°C +85°C for tape		Test EU 5673 & EU 5681 Tested acc. to EN 14707, EN 14313			
	Min. service temperature						
Thermal conductivity							
	Tubes 9mm - 30mm	λ 40°C ≤ 0.040 W/(m⋅K)	$[40+0.1 \cdot \vartheta_{m} + 0.0008 \cdot \vartheta_{m}^{2}]/1000$	Test EU 5673 & EU 5681			
	Таре	$\lambda 45$ °C ≤ 0.045 W/(m·K)	$[45+0.1 \cdot \vartheta_{m} + 0.0008 \cdot \vartheta_{m}^{2}]/1000$	Declared acc. to EN ISO 13787 Tested acc. EN ISO 8497			
Fire performance							
Reaction to fire	Tubes	Е		Test EU 5673 & EU 5681			
	Таре	Е		Classified acc. to EN 13501-1 Tested acc. to EN ISO 11925-2			
Acoustic performance							
Reduction of structure-borne sound transmission	Insulation effect	≤ 30 dB(A)		Test D 2762 Tested acc. to DIN ISO 11925-2			
Other technical features							
Dimension and tolerances	In accordance with EN 14304, table 1 and 2			Test EU 5709			
Difficusion and toterances				Tested acc. to EN 822, EN 823 & EN 13467			

^{1.} For temperatures below or above those published please contact Technical Services to request the corresponding information.

2. Stored in dry, clean conditions at normal relative humidity (50% to 70%) and ambient temperature (0°C - 35°C)

Tubes - 2m

Colour - Grey Material - Polyethylene

	Pipe max outside Ø (mm)	Length (m)	Code	m/carton	
9mm insulation thickness	10	2	TL-10/9-DGU	520	
_	15	2	TL-15/9-DGU	380	
_	22		TL-22/9-DGU	250	
_	28	2	TL-28/9-DGU	190	
_	35	2	TL-35/9-DGU	150	
_	42	2	TL-42/9-DGU	110	
_	48	2	TL-48/9-DGU	90	
3mm insulation thickness	10	2	TL-10/13-DGU	330	
_	15	2	TL-15/13-DGU	256	
_	22	2	TL-22/13-DGU	180	
_	28	2	TL-28/13-DGU	140	
_	35	2	TL-35/13-DGU	120	
_	42	2	TL-42/13-DGU	90	
_	48	2	TL-48/13-DGU	70	
_	54	2	TL-54/13-DGU	66	
_	60	2	TL-60/13-DGU	56	
	76	2	TL-76/13-DGU	42	
19mm insulation thickness	15	2	TL-15/19-DGU	134	
	22	2	TL-22/19-DGU	108	
_	28	2	TL-28/19-DGU	96	
_	35		TL-35/19-DGU	70	
_	42	2	TL-42/19-DGU	60	
25mm insulation thickness	15	2	TL-15/25-DGU	100	
_	22	2	TL-22/25-DGU	80	
_	28	2	TL-28/25-DGU	66	
_	35	2	TL-35/25-DGU	56	
_	42		TL-42/25-DGU	28	
Omm insulation thickness	35	2	TL-35/30-DGU •	28	
_	42	2	TL-42/30-DGU •	24	
_	54		TL-54/30-DGU •	22	

Other information

Not a stock item

Tubes - 1m

Colour - Grey Material - Polyethylene

	Pipe max outside Ø (mm)	Length (m)	Code	m/carton	
9mm insulation thickness	15	1	TL-15/9-DGU-1M	190	
_	22	1	TL-22/9-DGU-1M	125	
_	28	1	TL-28/9-DGU-1M	95	
_	35	1	TL-35/9-DGU-1M	75	
3mm insulation thickness	15	1	TL-15/13-DGU-1M	128	
_	22	1	TL-22/13-DGU-1M	90	
_	28	1	TL-28/13-DGU-1M	70	
_	35	1	TL-35/13-DGU-1M	60	
19mm insulation thickness	15	1	TL-15/19-DGU-1M	67	
_	22	1	TL-22/19-DGU-1M	54	
_	28	1	TL-28/19-DGU-1M	48	
_	35	1	TL-35/19-DGU-1M	35	
25mm insulation thickness	15	1	TL-15/25-DGU-1M	50	
	22	1	TL-22/25-DGU-1M	40	
	28	1	TL-28/25-DGU-1M	33	
_	35	1	TL-35/25-DGU-1M	28	

Tubes - Domestic Building Services Complaince guide (DBSCG)
Thickness required to meet Part L DBSCG. Maximum permissible heat losses from central heating pipework.

Colour - Grey Material - Polyethylene

Pipe max outside Ø (mm)	Max permissable heat loss (W/m)	Insulation thickness (mm)	Length (m)	Code	m/Carton	
10	7.23	13	2	TL-10/13-DGU	330	
15	7.89	19	2	TL-15/19-DGU	134	
22	9.12	25	2	TL-22/25-DGU	80	
28	10.07	25	2	TL-28/25-DGU	66	
35	11.08	30	2	TL-35/30-DGU •	28	
42	12.19	30	2	TL-42/30-DGU •	24	
54	14.12	30	2	TL-54/30-DGU •	22	

Pre-fabricated elbows (Tubolit Quick)

Colour - Grey Material - Polyethylene. Pre-cut 90° elbows

	Pipe max outside Ø (mm)	Code	Pieces/Bag	Bags/Carton	
9mm insulation thickness	15	TL-15/9-Q90-2	2	30	
_	22	TL-22/9-Q90-2	2	30	
13mm insulation thickness	15	TL-15/13-Q90-2	2	30	
_	22	TL-22/13-Q90-2	2	30	
_	42	TL-42/13-Q90-2	2	30	
19mm insulation thickness	28	TL-28/19-Q90-2	2	30	

Pre-fabricated t-pieces (Tubolit Quick)

Colour - Grey Material - Polyethylene. Pre-cut equal t-pieces

	Pipe max outside Ø (mm)	Code	Pieces/Bag	Bags/Carton	
9mm insulation thickness	15	TL-15/9-QET-2	2	30	
	22	TL-22/9-QET-2	2	30	
13mm insulation thickness	15	TL-15/13-QET-2	2	30	
	22	TL-22/13-QET-2	2	30	
	42	TL-42/13-QET-2	2	30	
19mm insulation thickness	28	TL-28/19-QET-2	2	30	

Tape - Self-adhesive

Colour - Grey

Code		Width (mm)	Length (m)	Thickness (mm)	Rolls/Carton
TLT-T	APE/50-DG •	50	10	3	12

Clips

Colour - Grey

Code		Pieces/Bag	Pieces/Carton
	TL-CLIPS •	100	25

FOR DOMESTIC HEATING & PLUMBING PIPEWORK

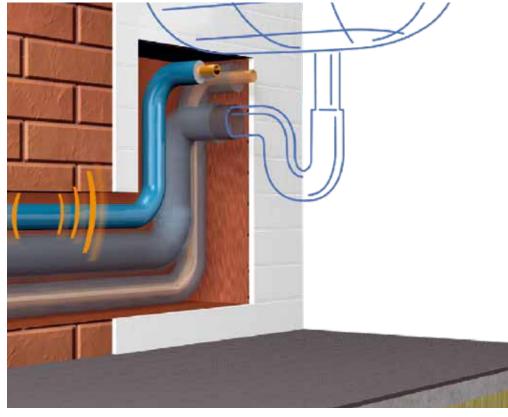
Tubolit S Plus

The protective tube for in-wall insulations with limited space

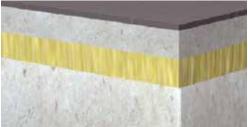
- // Flexible, closed-cell extruded coil insulation material suitable for in wall pipes with limited space
- // Flexible and easy to sleeve with additional inner foil lining
- // Durable outer PE-film for additional protection.













TECHNICAL DATA -TUBOLIT S PLUS

Brief description	Flexible, closed-cell extruded insulation material to reduce heat loss and noise on in wall heating and plumbing pipes with limited space. Durable PE-film outer covering provides additional protection and inner foil helps sleeve over in-situ pipework.						
Material type	Foam material based on poly	yethylene. Factory made polyethylene foam (PEF) according to	EN 14313				
Colour	Foam - Grey Outer foil - Blue						
Material Special information	Foil coating on outer surface	for additional protection of insulation. Foil coating on inner su	rface for better sleeve-on installation.				
Product range	Tubes endless.						
Application	Insulation / protection of pipi installations (incl. elbows, fit	es (heating system pipes, domestic hot and cold water pipes) ar tings, flanges etc)	nd other parts of heating and plumbing				
Assembly	certain conditions (e.g high h	After installation linear shrinkage of approx 2% or more 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 flow) cold water pipelines must be insulated with Armaflex, as with chilled water pipes in air-conditioning systems.					
Approval compliance	Declaration of Performance	Declaration of Performance is available in accordance with Article 7 (3) of Regulation (EU) No 305/2011 at www.armacell.com/DoP.					
Property	Value/Assessment	Standard/Test method					
Temperature range *1							
	Max. service temperature	+100°C +85°C for tape	Test EU 5676 Tested acc. to EN 14707, EN 14313				
	Min. service temperature						
Thermal conductivity							
	Tubes	$\lambda 40^{\circ} \text{C} \le 0.045 \text{ W/(m·K)}$ [41+0.1· $\theta_{\text{m}} + 0.0008 \cdot \theta_{\text{m}}^{2}$]/1000	Test EU 5676 Declared acc. to EN ISO 13787 Tested acc. EN ISO 8497				
Fire performance							
Reaction to fire*2	Tubes	E	Test EU 5676 Classified acc. to EN 13501-1 Tested acc. to EN ISO 11925-2				
Other technical features							
Dimension and tolerances	In accordance with EN 14304	i, table 1 and 2	Test EU 5709 Tested acc. to EN 822, EN 823 & EN 13467				

^{1.} For temperatures below or above those published please contact Technical Services to request the corresponding information.
2. The building materials classification is valid on metal or solid, mineral surfaces.

Tubes (endless)

Colour - Grey, Covering colour - Blue with robust protective film on outside plus transparent inner film for fast and easy appliation Material - Polyethylene

	Pipe max outside Ø (mm)	Length (m)	Code	m/Carton
4mm insulation thickness	15	20	TL-12-15/4-S+ •	520
_	18	20	TL-18/4-S+ •	440
- - -	22	20	TL-22/4-S+ •	400
	28	20	TL-28/4-S+ •	320
	30	20	TL-30/4-S+ •	320
	35	20	TL-35/4-S+ •	280
_	42	20	TL-42/4-S+ •	240

Other information

• Not a stock item

FOR DOMESTIC HEATING & PLUMBING PIPEWORK

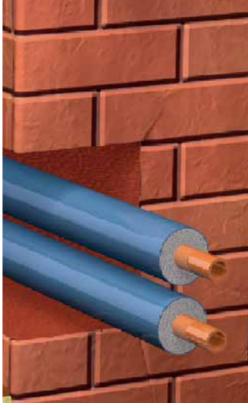
Tubolit S

Insulation to prevent transmission of structure-borne noise

- // Flexible, closed-cell extruded 2m tube insulation material with durable PE-film outer covering to protect in wall pipes
- // Provides protection against aggressive building materials for in wall cavity pipes
- // Improved acoustic de-coupling of the pipe from the building structure.













TECHNICAL DATA -TUBOLIT S

Brief description	Flexible, closed-cell extruded insulation material with durable PE-film outer covering to reduce heat loss and noise on heating and plumbing installations.		
Material type	Foam material based on polyethylene. Factory made polyethylene foam (PEF) according to EN 14313		
Colour	Foam - Grey Outer foil - Blue		
Material Special information	Foil coating on outer surface for additional protection of in wall cavity pipes.		
Product range	Tubes.		
Application	Insulation / protection of pipes (heating system pipes, domestic hot and cold water pipes) and other parts of heating and plumbing installations (incl. elbows, fittings, flanges etc)		
Assembly	After installation linear shrinkage of approx 2% or more 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 flow) cold water pipelines must be insulated with Armaflex, as with chilled water pipes in air-conditioning systems.		

Property	Value/Assessment			Standard/Test method
Temperature range *1				
	Max. service temperature	+100°C +85°C for tape		Test EU 5675 Tested acc. to EN 14707, EN 14313
	Min. service temperature			
Thermal conductivity				
	Tubes	λ 40°C ≤ 0.040 W/(m·K)	$[36+0.1 \cdot \vartheta_{m} + 0.0008 \cdot \vartheta_{m}^{2}]/1000$	Test EU 5675 Declared acc. to EN ISO 13787 Tested acc. EN ISO 8497
Fire performance				
Reaction to fire*2	Tubes	E		Test EU 5675 Classified acc. to EN 13501-1 Tested acc. to EN ISO 11925-2
Other technical features				
Dimension and tolerances	In accordance with EN 14304, table 1 and 2			Test EU 5675 Tested acc. to EN 822, EN 823 & EN 13467

^{1.} For temperatures below or above those published please contact Technical Services to request the corresponding information.
2. The building materials classification is valid on metal or solid, mineral surfaces.

Tubes (endless)

Colour - Blue with hard-wearing PE film

	Pipe max outside Ø (mm)	Length (m)	Code	m/Carton	
9mm insulation thickness	15	2	TL-15/9-S •	234	
_	22	2	TL-22/9-S •	178	
_	28	2	TL-28/9-S •	130	
_	35	2	TL-35/9-S •	96	
_	42	2	TL-42/9-S •	72	
_	48	2	TL-48/9-S •	70	
13mm insulation thickness	15	2	TL-15-13-S •	172	
_	22	2	TL-22-13-S •	128	
_	28	2	TL-28-13-S •	98	
_	35	2	TL-35-13-S •	72	
_	42	2	TL-42-13-S •	56	

Other information

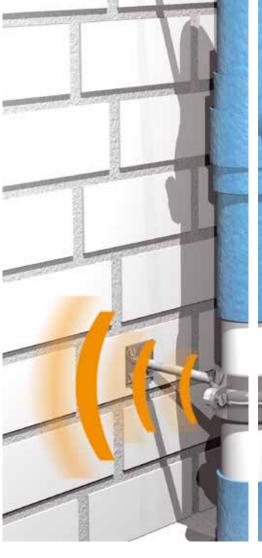
• Not a stock item

Tubolit AR Fonoblok

The noise reducing insulation for cast iron waste water pipes

- // Improved acoustic comfort
- // Easy application over flanges and elbows
- // <15 db(A) on cast iron pipes
- // Durable outside coating











TECHNICAL DATA -TUBOLIT AR FONOBLOK

Brief description	Extruded flexible closed-cell	insulation material that reduces noise and prevents condensations	ation on cast iron drainage pipes.				
Material type	Foam material based on poly	yethylene. Factory made polyethylene (PEF) according to EN 1	4313				
Colour	Blue						
Material Special information	Self-adhesive coating on tap polyethylene foil.	es: Pressure-sensitve adhesive coating on modified acrylate b	asis with mesh structure, covered with				
Product range	Tubes - Coils (Endless) and tape						
Application	Acoustic and thermal insulat	ion of internal waste water and rain water pipes in residential	and non-residential buildings.				
Approval compliance	Declaration of Performance	is available in accordance with Article 7 (3) of Regulation (EU)	No 305/2011 at www.armacell.com/DoP.				
Property	Value/Assessment		Standard/Test method				
Temperature range *1			-				
	Max. service temperature	+100°C +85°C for tape	Test EU 5677 & EU5682 Tested acc. to EN 14707, EN 14313				
	Min. service temperature						
Thermal conductivity							
	Tubes	$\lambda 40^{\circ} \text{C} \le 0.045 \text{ W/(m·K)}$ [41+0.1 · ϑ_{m} + 0.0008 · ϑ_{m} ²]/1000	Test EU 5677 & EU5682				
	Tape	$\lambda 40^{\circ}\text{C} \le 0.045 \text{ W/(m·K)}$ [41+0.1·9 _m + 0.0008·9 _m ²]/1000	Declared acc. to EN ISO 13787 Tested acc. EN ISO 8497				
Fire performance							
Reaction to fire*2	Tubes	Е	Test EU 5677 & EU5682				
	Tape	Е	Classified acc. to EN 13501-1 Tested acc. to EN ISO 11925-2				
Acoustic performance							
Reduction of structure-borne sound transmission	On cast iron waste water pip	es ≤ 15 db(A)	Test D 2144 Tested acc. to EN ISO 14366				
Other technical features							
Dimension and tolerances*3	In accordance with EN 14304	s, table 1 and 2	Test EU 5677 & EU5682 Tested acc. to EN 822, EN 823 & EN 13467				

For temperatures below or above those published please contact Technical Services to request the corresponding information.
 The building materials classification is valid on metal or solid, mineral surfaces.
 Stored in dry clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0°C - 35°C)

Tubes - Coils (Endless)

Colour - Blue with hard-wearing PE film

	Length (m)	Pipe max outside Ø (mm)	Nominal dia. DN	Code	m/carton	Rolls/carton	
5mm insulation thickness	15	57	50	TL-50/5-AR •	135	9	
•	15	76	70	TL-70/5-AR •	105	7	
•	15	89	90	TL-90/5-AR •	75	5	
•	15	108	100	TL-100/5-AR •	75	5	
•	15	133	125	TL-125/5-AR •	60	4	
•	15	160	150	TL-150/5-AR •	45	3	

Tape - Self-adhesive

Colour - Blue

Code	Width (mm)	Length (m)	Thickness (mm)	Rolls/Carton
TL-TAPE/50-AR •	50	15	3	12
TL-TAPE/100-AR •	100	15	3	6

Other information

• Not a stock item

Tubolit AR Fonowave

The noise reducing insulation for plastic waste water pipes

- // Improved acoustic comfort
- // Easy application over flanges and elbows
- // <11 db(A) on plastic pipes
- // Durable outside coating





TECHNICAL DATA - TUBOLIT AR FONOWAVE

Brief description	Extruded flexible closed-cell insulation material that reduces noise and prevents condensation, especially on plastic waste water and rain water pipes.						
Material type	Foam material based on polyethylene. Factory made polyethylene (PEF) aaccording to EN 14313						
Colour	Blue						
Material Special information	Self-adhesive coating on tapes: Pressure -sensitive adhesive coating on modified acrylate basis with mesh structure, covered with polyethylene foil.						
Product range	Tubes - Coils (Endless) and tape						
Application	Acoustic and thermal insulati	Acoustic and thermal insulation of internal waste water and rain water pipes in residential and non-residential buildings.					
Approval compliance	Declaration of Performance is	s available in accordance with Article 7 [3] of Regulation (EU) N	lo 305/2011 at www.armacell.com/DoP.				
Property	Value/Assessment		Standard/Test method				
Temperature range *1							
	Max. service temperature	+100°C +85°C for tape	Test EU 5679 Tested acc. to EN 14707, EN 14313				
	Min. service temperature						
Thermal conductivity							
	Tubes	$\lambda 40^{\circ} \text{C} \le 0.045 \text{ W/(m·K)} $ [45+0.1· $\vartheta_{\text{m}} + 0.0008 \cdot \vartheta_{\text{m}}^{2}$]/1000	Test EU 5679 & EU5682				
	Tape	$\lambda 40^{\circ} \text{C} \le 0.045 \text{ W/(m·K)} $ [45+0.1 · ϑ_{m} + 0.0008 · ϑ_{m} ²]/1000	Declared acc. to EN ISO 13787 Tested acc. EN ISO 8497				
Fire performance							
Reaction to fire*2	Tubes	Е	Test EU 5679 & EU5682				
	Таре	Е	Classified acc. to EN 13501-1 Tested acc. to EN ISO 11925-2				
Acoustic performance							
Reduction of structure-borne sound transmission	On plastic waste water pipes	≤ 11 db(A)	Test D 4478 Tested acc. to EN ISO 14366				
Other technical features							
Dimension and tolerances*3	In accordance with EN 14304,	table 1 and 2	Test EU 5679 & EU5682 Tested acc. to EN 822, EN 823 & EN 13467				

For temperatures below or above those published, please contact Technical Services to request the corresponding information.
 The building materials classification is valid on metal or solid, mineral surfaces.
 Stored in dry clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0°C - 35°C)

Tubes - Coils (Endless)

Colour - Blue with hard-wearing PE film

	Length (m)	Pipe max outside Ø (mm)	Nominal dia. DN	Code	m/carton	Rolls/carton	
9mm insulation thickness	10	50/56	50/56	TL-50/9-ARW •	80	8	
	10	75	70	TL-70/9-ARW •	60	6	
	10	110	100	TL-100/9-ARW •	50	5	
	10	125/135	125	TL-125/9-ARW •	40	4	

Tape - Self-adhesive

Colour - Blue

Code	Width (mm)	Length (m)	Thickness (mm)	Rolls/Carton
TL-TAPE/50-ARW •	50	15	3	12

Other information

Not a stock item

Armacell UK
Mars Street
Oldham
Greater Manchester
OL9 6LY

0161 287 7100

All data and technical information are based on results achieved under typical application conditions. It is the customer's responsibility to verify it 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. By ordering/receiving product you accept the Armacell General Terms and Conditions of Sale applicable in the region. Please request a copy if you have not received these.

© Armacell, 2019. Tubolit is a trademark of the Armacell Group.

ABOUT ARMACELL

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 3,000 employees and 25 production plants in 17 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.

