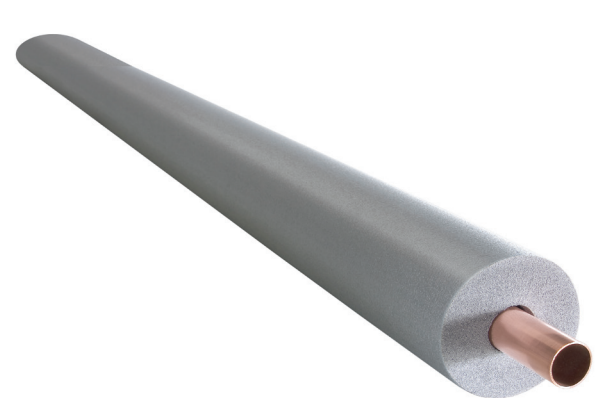
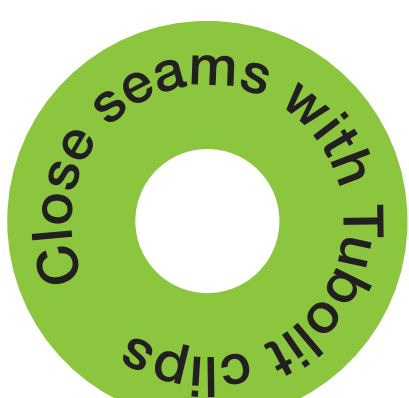

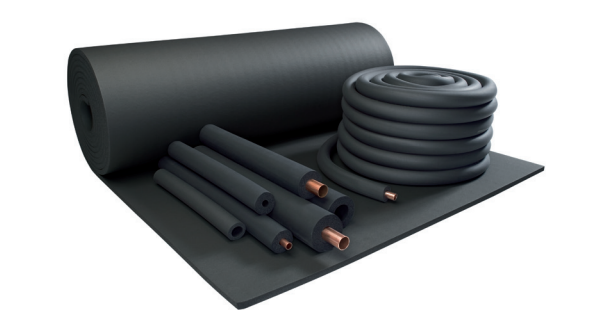







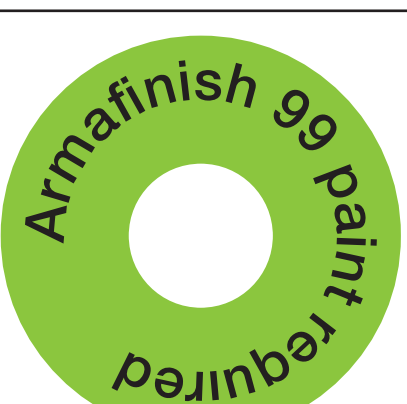
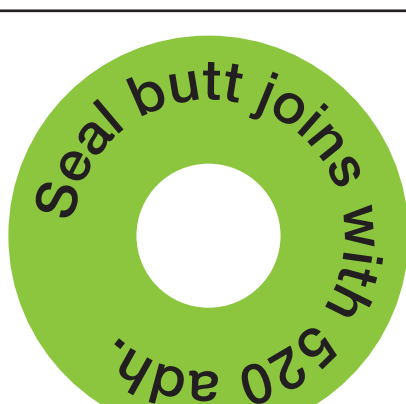



















Product			Heating & Plumbing pipework	HVAC & commercial pipework	Refrigeration pipework	Outdoor pipework	Pre-fabricated fittings for bends / elbows	Solar thermal hot water applications	Ground source heat pump pipework	Self-Seal closing
	Tubolit®	Polyethylene pipe insulation for domestic applications								
	AF/Armaflex® Class 0	Nitrile rubber tube, sheet & coils range for cold water & HVAC-R applications								
	AF/Armaflex® Class 0 Self Seal	Nitrile rubber tube insulation with self-seal closing for easy application								
	Armaflex® TuffCoat	PVC outer covering for protection against mechanical impact and bird attack								
	HT/Armaflex®	EPDM rubber for high temperature process applications (up to 150°C)								
	Arma-Chek® Silver	High surface emissivity silver PVC covering for protection in outdoor areas								
	Armaflex® DuoSolar	Pre-insulated twin corrugated steel pipes for connecting solar hot water systems								

Thickness to meet the Domestic Building Services Compliance Guide and Part L:
Indicative thickness of insulation for domestic heating & hot water systems.

Pipe OD (mm)	Max. permissible heat loss (W/m)	AF/Armaflex Class O Thickness (mm)
10	7.06	13
15	7.23	19
22	7.35	25
28	7.89	25
35	9.12	32
42	10.07	32
54	11.08	32

BS 5422:2009 Table 20
Line temperature: 60°C
Ambient temperature: 15°C



Condensation Control:
Insulation thickness for chilled & cold water copper pipes for condensation control.

Pipe OD (mm)	Temperature of content		
	10°C	5°C	0°C
AF/Armaflex Class O Thickness (mm)			
10	9	13	13
12	9	13	19
15	9	13	19
22	13	13	19
28	13	13	19
35	13	19	19
42	13	19	19
54	13	19	19
76.1	13	19	19
108	13	19	25

BS 5422:2009 Table 7
Ambient temperature: 25°C
Relative humidity: 80%

Water Regulations 1999 - Frost Protection:
Minimum insulation thickness to prevent freezing - selected domestic cold water systems.

Pipe OD (mm)	Min. AF/Armaflex Class O (mm)	
	Normal Conditions	Extreme Conditions
Copper:		
15	25*	32*
22	19	19
28	13	13
35	13	13
42	13	13
54	13	13
76.1	13	13

MDPE:		
20	25*	25*
25	19	19
32	13	13
40	9	9
50	9	9
63	9	9
75	9	9

Normal conditions:
Inside the building & within the envelope of the insulation where heat is normally provided.
Line temperature: 7°C
Ambient temperature: -6°C
Evaluation period: 12 hours (*8 hours)
Permitted ice formation: 50%

Extreme conditions:
Inside the building but outside the envelope of the insulation, i.e. above the thermal insulation in a loft space, under a suspended ground floor or areas without heating services inside the structure of the building.
Line temperature: 2°C
Ambient temperature: -6°C
Evaluation period: 12 hours (*8 hours)
Permitted ice formation: 50%

