



HT/Armaflex[®]

HIGH TEMPERATURE INSULATION

Sunlight and UV resistant, no CFC
HCFC or PVC and flexible up to 150°C



The protection of the environment is our biggest challenge

Armacell accept this responsibility by developing products for greater energy conservation and by evaluating the impact on the environment of the whole production process through to sales within our company. Also, ideas and suggestions from daily practical experience help us to achieve these objectives.

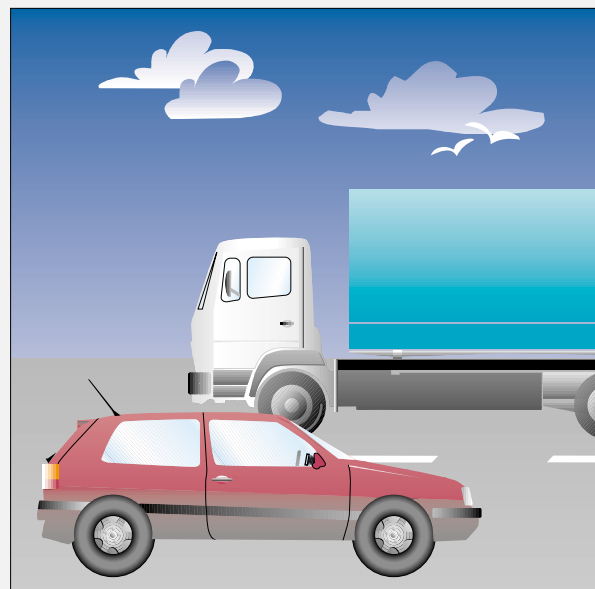
There is an increasing demand for the benefits of an environmentally-friendly flexible insulation material, that retains these benefits at higher temperature ranges. HT/Armaflex meets this demand.

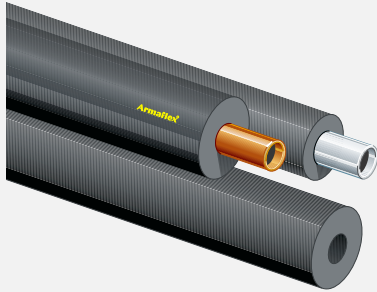
Temp +150°C
 UV resistant
 $\lambda_0 = 0.040$
 CFC = Free



The special advantage of HT/Armaflex insulation material is its specific temperature range of -50°C to +150°C. Armacell developed HT/Armaflex as a completely new insulation material, which remains flexible even at temperatures of up to +150°C. HT/Armaflex is also UV resistant and may be installed outside without additional protective measures. Oil resistance has been improved and smoke development has been reduced to a minimum in the event of fire. HT/Armaflex provides protection against diffusion of water vapour as a closed-cell material and features all the properties, which you can expect from a flexible elastomeric insulation, such as low thermal conductivity and good behaviour in fire.

Application: insulation for pipework and ancillary equipment at high temperature ranges, e.g. solar panels, including outdoors, motor vehicles, hot gas lines, remote distribution lines or steam and dual temperature lines and also for alternative temperature loading.





The competitive advantages of specifying HT/Armaflex

Like all elastomeric products from Armacell, HT/Armaflex is easy to install, safe to handle and does not require any additional covering as a vapour barrier.

- Remains flexible at high temperatures of up to +150°C
- Resistant to sunlight and UV radiation
- Contains no CFC, HCFC or PVC
- Good flexibility at temperatures down to -50°C
- Does not produce burning droplets in the event of fire
- Low smoke development, under both burning and smouldering conditions

Product Range:

Tube



Continuous Sheet



We're investing in the future

Armacell's research and development has always received substantial investment and the research not only improves μ and λ values, but we are continually developing new products. Quality assurance and health & safety issues are becoming increasingly more important. We develop environmentally-friendly product processing, test various material compositions and research options for improved recycling.

These are investments which both support the preservation of our environment and form the basis for ecologically-valuable products.

Accessories

Armaflex HT 625 Adhesive

A single component, air-drying contact adhesive, which has been developed for use with line temperatures of up to +150°C and specially designed for HT/Armaflex.

Armaflex Gluemaster

Suitable for use with all adhesives and significantly increases the speed of installation. Replacement brushes are available.

Armaflex Cleaner

Use to clean Armaflex insulation and other surfaces, as necessary, prior to the application of adhesive or paint, also to clean Armaflex adhesive from brushes and other equipment.

Armacell Toolkit

A durable container with three knives and a sharpening stone. A knife for slitting, one for sheet and a large one for cutting tube.

Armaflex Slitting Knife

A useful tool for slitting Armaflex tube in one quick, simple operation. Replacement blades are available.

Armaload

Flexible high density insulation with good load bearing properties, for use on unistrut pipe supports to avoid point loading.

HT/Armaflex Insulating Tape

A self-adhesive tape, 3mm minimum thickness.

Product description: Thermal insulation material with closed cell structure and high flexibility.

Material: Foamed synthetic elastomer.

Applications: Thermal insulation for pipework, vessels and ducts in: solar panels including outdoors, motor vehicles, hot gas lines, steam and dual temperature lines.

Product range: Tubes in 10mm, 13mm, 19mm and 25mm wall thickness for pipe sizes 10-89mm OD. Sheets in 10mm, 13mm, 19mm and 25mm wall thickness all 1m wide.

Throughout the world Armacell products are at work in all types of industries and in all types of climates. We are confident therefore, that we have the right product available to suit each specific need.

Property	Value	Test Method
Temperature Range		
Maximum	+150°C *	* For temperatures above 150°C please consult Customer Services
Minimum	-50°C	
Thermal conductivity		
at 0°C	0.040 W/(m.K)	British Standard BS874 Part2 section 2.1:1986
at 40°C	0.045 W/(m.K)	
Water Vapour Permeability		
Moisture resistance factor μ	>3,000	DIN 52 615
Fire performance		
Surface spread of flame	Class 1	British Standard BS 476 Part7: 1997 LLoyds SAS, F980462 ASTM E 662 - 79
Smoke development	Dm (Corr) smouldering Index 200 Dm (Corr) flaming Index 100	
Behaviour in fire	Self extinguishing, does not drip, does not spread flame	
Outdoor Application	Sunlight and UV resistant, no additional protection is required.	

Please note: when HT/Armaflex is used for outdoor applications it may undergo a lightening from black to grey under certain circumstances and some minor surface crackling may occur. The crackling, due to internal tension, is more evident on sheet insulation installed on pipes. Any perceived change to the visual appearance however, has no detrimental influence on the physical properties of HT/Armaflex.

HT/Armaflex is available in black, 2m length tubes in the following sizes								
Copper Tube		Iron & Steel Pipe			F	H	M	R
Nom OD mm	Min ID mm	NB in	Nom OD mm	Min ID mm	Nominal Thickness 10 mm Ref.	Nominal Thickness 13 mm Ref.	Nominal Thickness 19 mm Ref.	Nominal Thickness 25 mm Ref.
10	8	1/8	10.2	6	10010 HT	13010 HT	–	–
12	10				10012 HT	13012 HT	19012 HT	25012 HT
15	10	1/4	13.5	8	10015 HT	13015 HT	19015 HT	25015 HT
18	15	3/8	17.2	10	10018 HT	13018 HT	19018 HT	25018 HT
22	20	1/2	21.3	18	10022 HT	13022 HT	19022 HT	25022 HT
28	25	3/4	26.9	20	10028 HT	13028 HT	19028 HT	25028 HT
35	32	1	33.7	25	10035 HT	13035 HT	19035 HT	25035 HT
42	40	1 1/4	42.4	32	10042 HT	13042 HT	19042 HT	25042 HT
		1 1/2	48.3	40	10048 HT	13048 HT	19048 HT	25048 HT
54	50		54.0		10054 HT	13054 HT	19054 HT	25054 HT
		2	60.3		10060 HT	13060 HT	19060 HT	25060 HT
76	65	2 1/2	76.1		10076 HT	13076 HT	19076 HT	25076 HT
89	80	3	89	80	10089 HT	13089 HT	19089 HT	25089 HT

Sheet sizes	
Continuous Sheet	
Nominal Thickness mm	Roll Size mm
10	1,000 x 10,000
13	1,000 x 8,000
19	1,000 x 6,000
25	1,000 x 4,000

NB. All delivery quoted on request

All statements and technical information are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the information is appropriate for the specific use intended by the recipient.