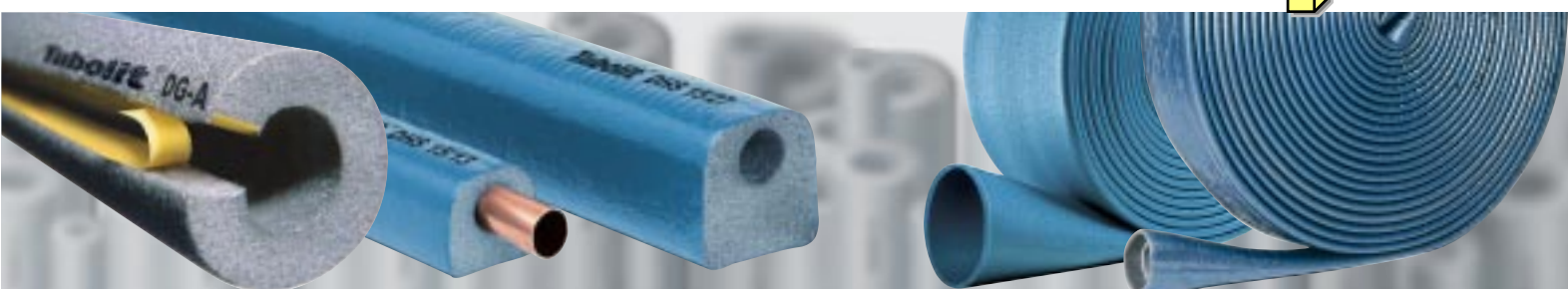




Tubolit[®]

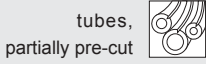
WHEN IT PAYS TO BE PREPARED!

TUBOLIT – hard-wearing, durable and energy-saving insulation range for heating and plumbing pipeworks.



Tubolit® DG

Product range:



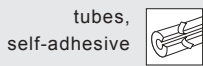
Thermal insulation range for heating & plumbing pipeworks.

- delivers energy savings according to EnEV
- protects the pipes against energy losses, aggressive building materials and condensation
- made of flexible DG foam for easy application over bends and elbows

length 2m
wallthicknesses of 6mm, 9mm, 13mm, 20mm and 30mm
diameters of 12-114mm*
(*varies upon the market)

Tubolit® DG self-adhesive

Product range:



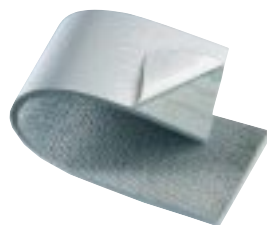
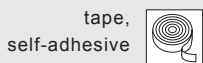
Thermal insulation for heating & plumbing pipeworks with self-adhesive closing.

- delivers energy savings according to EnEV
- protects the pipes against energy losses, aggressive building materials and condensation
- enables up to 50% faster application with new self-seal closing
- offers fast, clean and comfortable application

length 2m
wallthicknesses of 9mm, 13mm and 20mm
diameters of 12-60mm*
(*varies upon the market)

Tubolit® DG Insulation Tape

Product range:



Self-adhesive insulation tape made of grey Tubolit DG foam for clean and fast finishing of visually exposed joints.

- ideal to finish and secure exposed joints of Tubolit DG
- serves also as insulation bandage for small elbows and T-pieces parts of plumbing pipelines*
- made of robust, 3mm thick Tubolit DG insulation foam

length 15m,
widths of 50mm and 100mm

* For maximum energy efficiency of the Tubolit insulation product range, Armacell strongly recommends to insulate all elbows, T-sections as well as all other accessible pipework parts of heating systems with Tubolit DG sections cut out of the Tubolit tubes into desired shape, in the same insulation thickness as the straight tubes.

Product range:



length 2m
wallthicknesses of
6mm, 9mm and 13mm
diameters of 12-48mm*
(*varies upon the market)

Tubolit® S

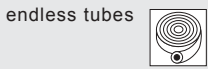


Thermal insulation for heating & plumbing pipeworks with extremely durable outside foil for additional mechanical protection in under-wall applications, mechanically or visually exposed installations.

- delivers energy savings according to EnEV
- protects the pipes against aggressive building materials and condensation
- provides maximum durability during the application and longlasting protective effect under wall
- withstands heavy stressing and mechanical damage on site
- made of flexible foam for quick and easy application

Tubolit® S plus

Product range:



rolls, length 20m
diameters of 12-42mm

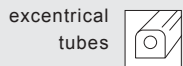


Protection tube for under-wall installations.

- fast and smooth application with new, ultragliding inner foil
- protects the pipeworks against aggressive building materials and condensation
- delivers long-lasting protection thanks to extremely durable and tear-resistant outside foil

Tubolit® DHS

Product range:



length 2m
wallthicknesses of
13mm and 25mm
diameters of 15-28mm



Energy saving insulation for heating pipes in floors.

- saves floor space with flat-bottom shape
- protects from unwanted energy losses according to EnEV
- delivers long-lasting protection and energy saving performance due to extremely durable and tear-resistant outside foil
- withstands heavy stressing and mechanical damage on site

Tubolit® AR



Noise reducing and protection insulation tube for waste-water and rain-collecting pipe systems.

- ultra-light and highly flexible insulation for fast and easy sleeving over pipes and elbows
- with designed tolerances to enable pulling over joints and flanges
- improves the noise comfort in buildings – special 5mm PEF foam significantly reduces the noise of the flushing water
- protects the pipes against aggressive building materials and condensation
- convenient handling in compact 15m rolls

Product range:



endless tubes

rolls, length 15m
wall-thickness of 5mm
diameters of 50-150mm*
(*varies upon the market)

Tubolit® AR Insulation Tape



Special self-adhesive tape designed for the Tubolit AR waste-water insulation range.

- enables fast, clean and secure connecting of Tubolit AR tubes
- serves to insulate elbows, T-pieces and other parts of waste-water pipework
- fits fully into Tubolit AR product range – made of blue, durable, 3mm thick, noise reducing AR foam

Product range:



tape,
self-adhesive

length 15m,
widths of 50mm, 75mm and
100mm

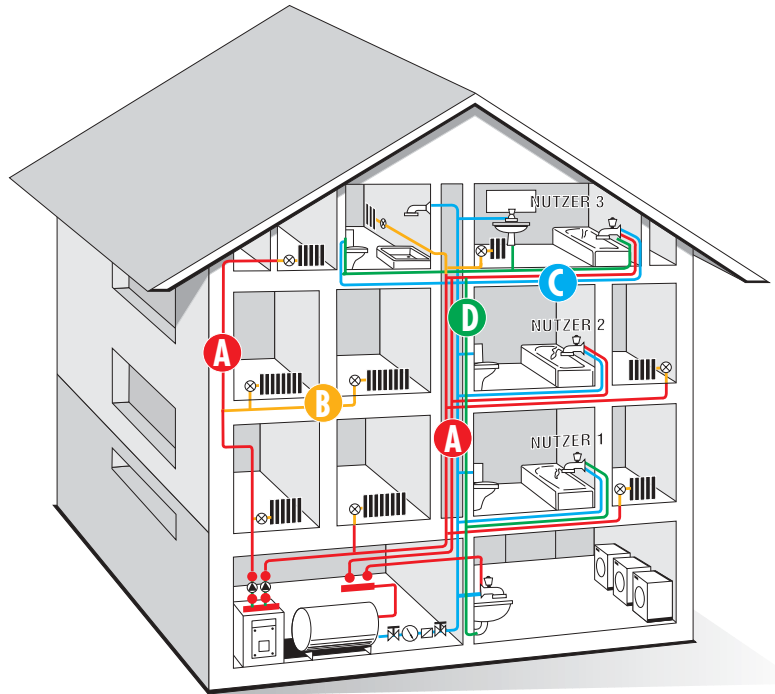
Tubolit® is a Swiss brand name for a proven thermal insulation range made of highest quality polyethylene, especially designed for applications in the heating and plumbing area.

Tubolit is made of light, yet durable, hard-wearing PEF foam that is flexible even in bigger dimensions and enables fast and easy application.

Fire Classification:
B1
 $\lambda_{10} = 0,038 \text{ W/(m}\cdot\text{k)}$

As the main purpose of any thermal insulation is to effectively reduce energy losses, Tubolit's special PEF foam possesses very low thermal conductivity to deliver the requested high energy savings. Thermal conductivity as well as several other decisive technical parameters, important for a thermal insulation product, are carefully controlled internally throughout the whole production process by internal Armacell quality audits.

Additionally, to guarantee the long-lasting performance and high thermal efficiency of the Tubolit products, external testing institutes are in charge of proving and supervising a constant level of technical parameters to you – our customers.



Application areas and recommended products

A

Main heating and warm water pipeworks
 • Tubolit DG $\geq 20\text{mm}$
 • Tubolit DHS 25mm (special insulation for pipes in the floor)

B

Secondary / Distribution pipeworks of heating / warm water
 • Tubolit DG 13mm
 • Tubolit DHS 13mm (special insulation for pipes in the floor)

C

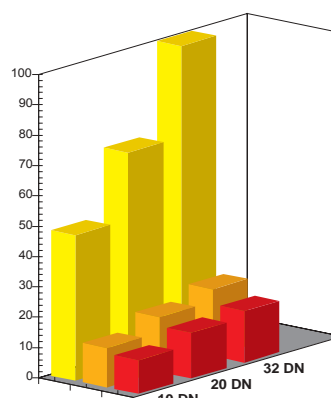
Cold water pipeworks
 • Tubolit DG 9mm / 5mm
 • Tubolit S plus

D

Waste water pipes
 • Tubolit AR
 • Tubolit AR Tape

Energy Savings

Basis steel pipes: water temperature + 60° C
 ambient temperature + 20° C



Heat loss of non-insulated pipes increases sharply with an increase in nominal diameter (DN).

Reduction of heat losses on pipe insulated with 13 mm Tubolit DG.

Reduction of heat losses on pipe insulated with 20 mm Tubolit DG.

Product	Heating	Plumbing	Under-floor	Under-wall	Pipe protection	Extra durable	Waster water + noise reduction	EnEV compliant
Tubolit DG	●	●			●			●
Tubolit DG-A	●	●			●			●
Tubolit S	●	●	●	●	●	●		●
Tubolit DHS	●	●	●		●	●		●
Tubolit S plus		●	●	●	●	●		●
Tubolit AR		●		●	●		●	●
Tubolit DG Tape	●	●			●			
Tubolit AR Tape		●		●	●		●	

Tubolit Accessories

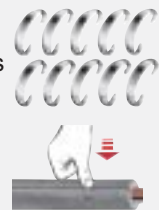
Adhesive 520:

Adhesive for Tubolit installations on heating and plumbing pipelines. For connecting Tubolit tubes, elbows and other pieces and to secure the joints against energy losses.



Tubolit Clips:

For quick and clean closing of Tubolit tubes on plumbing pipeworks. It's recommended to use min. 5 clips per linear meter.



All data and technical information are based on results achieved under typical application conditions. Recipients of this information should, in their own interest and responsibility, clarify with us whether or not the data and information apply to the intended application area.

Technical Data

Short description:	Flexible, closed cell insulating material			
Material:	Foam material based on polyethylene rubber (elastomer) Self-adhesive with a modified acrylate basis with grid structure and covered with a polyethylene film.			
Application range:	Insulation/protection of pipes (heating, hot/cold drinking water, rain gutters, drain water tubes, reinforcements) and other heating and plumbing installations.			
Properties	Value/Assessment	Test or similar*2	Monitoring*1	Special references
Application range (Temperature limits) Max. mean temperature Min. mean temperature	+102° C (tape at +85° C) as it is usual in plumbing and heating installations			
Thermal conductivity with a mean temp. of 10° C_m	0.038 W/(m · K)	D 2921	○	Testing according to DIN 52 613

