

SAVING ENERGY AND MONEY BY INSULATING PIPES WITH ELASTOMERIC INSULATIONS

A small investment will have a big savings impact upon energy costs and reduce CO2 emissions.

The waste of energy has a highly negative impact in today's environment and is something that we can all help to reduce economically by using pipework insulation. Given the thickness requirement in current legislation to meet environmental thickness tables, and the design structure of many UK and Irish buildings, in many cases it is not physically possible to install the specified insulation thickness.

For existing pipe work installations having limited space between the pipes to install insulation is very often the reason (excuse) not to install it. Typical examples of this are in locations such as:

- Service shafts, Under floors, Suspended and Enclosed Ceiling structures, Visible pipework

These can be found in :-

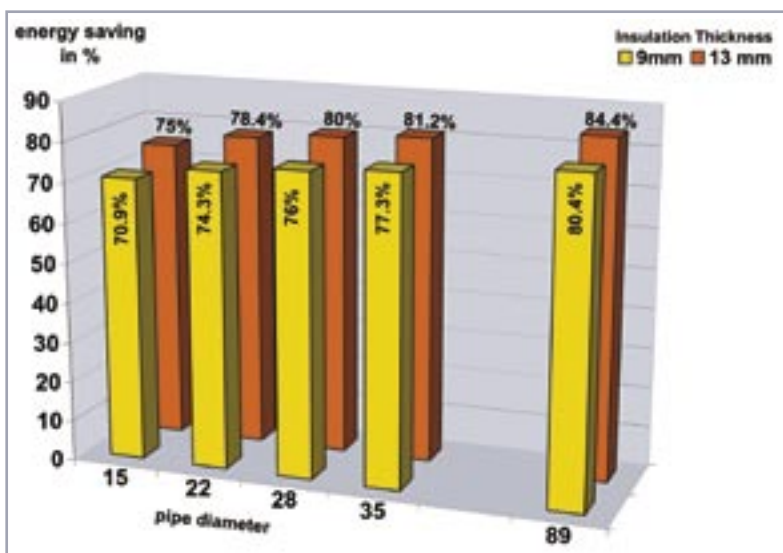
- Local Authority Housing, Owner Occupied Housing
- Local Government Buildings, Hospitals, Schools, Libraries etc.
- General Industrial and Commercial Buildings

The easiest and quickest method to insulate already existing pipework is to use elastomeric (nitrile rubber) insulation material. This highly flexible NON-FIBROUS insulation material makes safe application easy, especially in areas of limited available working space.

Elastomeric insulations biggest asset is its excellent thermal efficiency.

For example - with Class 0 Armaflex you can save up to 87% energy in typical domestic applications when compared to un-insulated pipes.

Class 0 Armaflex is available in tube, self adhesive tube and sheet form to suit all kinds of application areas and also meets current UK and Irish fire regulations requirements.



Energy savings with Class 0 Armaflex

The graph shows possible energy savings of insulated pipes compared to un-insulated pipes.

Calculation based on:

- Ambient Temperature: 20°C
- Line Temperature: 80°C

A detailed table of energy savings you can realise with Class 0 Armaflex can be found on the reverse page.

REGISTER & DOWNLOAD NOW! - FREE

To make your own energy saving calculations download our ARMWIN calculation programme on www.armacell.com in our registered ArmaPlus area.

Energy Saving Potential with Class 0 Armaflex

The table shows possible energy savings of insulated pipes compared to un-insulated pipes.
 Calculation based on: Ambient temperature: 20°C; Line temperature: 80°C

pipe O.D. mm	9 mm Thickness	13 mm Thickness	19 mm Thickness	25 mm Thickness	32 mm Thickness
15	70.9 %	75.0 %	78.4 %	81.1 %	83.0 %
22	74.3 %	78.4 %	82 %	84.2 %	86.0 %
28	76.0 %	80.0 %	83.5 %	85.7 %	87.4 %
35	77.3 %	81.2 %	84.7 %	86.9 %	88.5 %
42	78.1 %	82.0 %	85.6 %	87.7 %	89.3 %
48	78.6 %	82.6 %	86.1 %	88.2 %	89.8 %
54	79.0 %	83.0 %	86.5 %	88.6 %	90.1 %
60	79.4 %	83.4 %	86.9 %	89.0 %	90.5 %
67	79.7 %	83.7 %	87.2 %	89.2 %	90.8 %
76	80.0 %	84.0 %	87.5 %	89.6 %	91.1 %
80	80.2 %	84.2 %	87.6 %	89.7 %	91.2 %
89	80.4 %	84.4 %	87.9 %	89.9 %	91.5 %
93	80.5 %	84.5 %	88.0 %	90.0 %	91.5 %
108	80.8 %	84.8 %	88.3 %	90.3 %	91.8 %
114 *	80.9 %	85.0 %	88.4 %	90.4 %	91.9 %
140 *	81.2 %	85.3 %	88.7 %	90.7 %	92.2 %
168 *	81.5 %	85.5 %	88.9 %	91.0 %	92.5 %
219 *	81.7 %	85.8 %	89.1 %	91.2 %	92.8 %
273 *	81.9 %	86.0 %	89.4 %	91.4 %	92.9 %

* Class 0 Armaflex sheet material

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.



Armacell

Armacell UK Limited · Mars Street · Oldham · Lancs. OL9 6LY ·
 Tel 0161 287 7100 · Fax 0161 633 2685 · www.armacell.com · info.uk@armacell.com