

Lox[®]

Lox Insulation Pipe



Lox Insulation Pipe FRZ and FRM: Technical Pipe Insulation

Manufactured from high quality closed cell polyethylene: One of the most environmentally friendly synthetics. Recyclable and produced without (H)CFCs, hence the **Ozone Depleting Potential and Global Warming Potential of 0.3**. A product of its time: State of the art technology allows **Lox Insulation Pipe** FRZ and FRM its characteristics, which make it particularly suitable for hot- and coldwater applications as well as for refrigeration. One product for all applications: **Lox Insulation Pipe**! As a result of the superior physical properties, more and more specifiers are reaching for **Lox Insulation Pipe** FRZ/FRM on major projects. **Lox Insulation Pipe** FRZ, extruded into tube form and pre-cut longitudinally for both new, as well as renovation-applications; **Lox Insulation Pipe** FRM for applications on installed systems, having the selfevident advantage of



the time-and laboursaving fastener device. In combination with **Lox Insulation Pipe** FR sheet insulation, the complete and technical insulation solution for many applications.

Energysaving

The outstanding insulationvalue is retained throughout the guaranteed long life of **Lox Insulation Pipe** FRZ/FRM due to its fine closed-cell structure. The high yield certainly makes investing in **Lox Insulation Pipe** FRZ/FRM worthwhile.

Especially also in refrigeration applications; creating cold energy does carry a much higher cost as opposed to heat energy! Quality control is guaranteed, as a result of the continuous quality control monitoring of independent German institutes, including the ASTM C 177 test method (determination of thermal conductivity by tube method).

Firerating

The self-extinguishing characteristics of **Lox Insulation Pipe** FRZ/FRM have been tested in many countries according to the prevailing national test standards. In addition, an on-going stringent, qualitycontrol is continually being monitored, through independent institutes including ASTM D 635 (behaviour in fire).

Watervapour diffusion-resistance

The closed-cell structure of **Lox Insulation Pipe** FRZ/FRM acts as a barrier throughout the entire thickness of the material and is therefore not limited to just a thin outer layer. With the aid of purpose designed computer software, the minimum thickness required to prevent condensation can quickly and accurately be calculated. In comparison to other products and owing to the outstanding insulationvalue of **Lox Insulation Pipe** FRZ/FRM, thinner wallthicknesses can be used, whilst additional energy savings can be attained by keeping to 'traditional' wall-thicknesses.

Application

Owing to its ideal semi flexible structure and composition, **Lox Insulation Pipe** FRZ/FRM is quickly, simply, accurately and cleanly

applied. Smaller diameters and wallthicknesses simply slide over the pipework including curves and bends, whilst for the larger diameters, sections for bends can be fabricated. Additionally, complete installation specifications, containing scores of handy "how to" hints-are available upon request.

Productrange Lox Insulation Pipe FRZ and FRM

Lox Insulation Pipe FRZ without quick-zip fastener / **Lox Insulation Pipe** FRM with quick-zip fastener

The size range is available for:

- coppertube diametre DN 4 to DN 100 (OD Ø 6 mm to Ø 114 mm or Ø 1/4 inch to Ø 4 1/4 inch),
- steelpipe diametre DN 6 to DN 100 (OD Ø 10 mm to Ø 114 mm or ID 1/8 inch to Ø 4 inch),
- plasticpipe diametre OD Ø 16 mm to Ø 63 mm.

Insulationthicknesses 6, 9, 13, 20, 25 and 30 mm.

The standard productrange is adapted to local market demands and mentioned in the **Lox Insulation Pipe** pricelists.

Non standard specifications available upon request.

The standard length of **Lox Insulation Pipe** FRZ and FRM is 2 m.

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For those difficult to reach spots, taps, valves, or to put the finishing touches when applying **Lox Insulation Pipe**

FRZ/FRM, **Lox Insulation Pipe** selfadhesive insulation tape is available. Standard dimensions: 5mm thick and 50 mm wide, on rolls of 10m.

Lox Insulation Pipe associated products

Lox Insulation Pipe adhesives 575, contactcement with a short lag-time; **Lox Insulation Pipe** paint 900, waterproof elastic paint for the protection of applications exposed to the elements, particularly sunlight.

Lox insulation FR sheetinsulation

A range of superior polyethylene insulation, available on roofs and in sheets from 2 x 0.5m, in thicknesses 6, 10, 13, 15, 20, 25, 30 and 38mm. Physical properties are set out in the **Lox insulation** brochure.

Lox Insulation Pipe

Pipe insulation featuring an extra strong, protective external liner, specifically designed for applications where the insulated pipes come integral within floors or protection against damage from building chemicals, moisture and mechanical damage.

