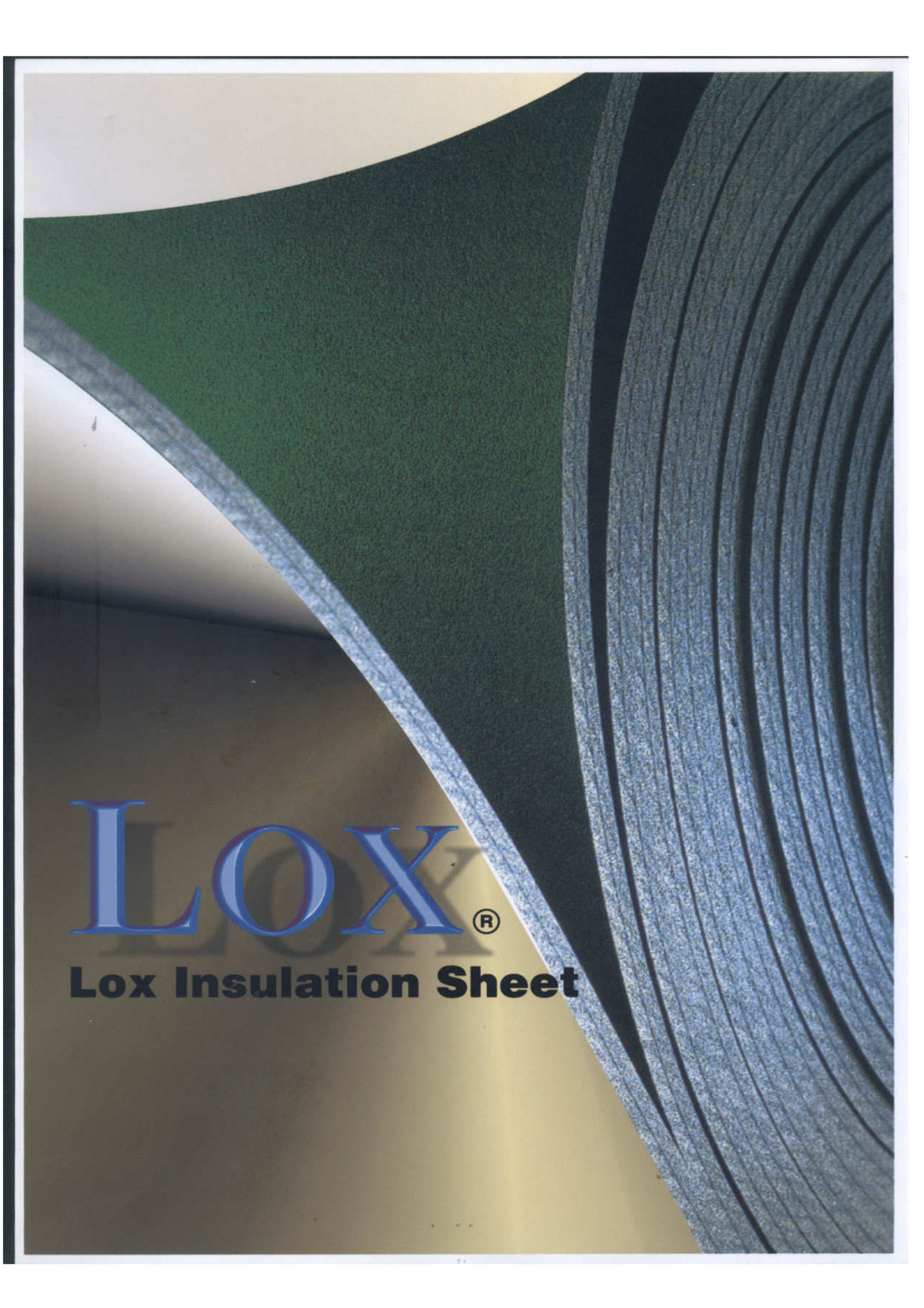




LOX[®]

Lox Insulation Sheet

Lox Insulation Sheet FR : Technical sheet insulation

A quality insulation sheet of high-grade polyethylene with a closed-cell structure obtained by the process of crosslinking, hence without using (H)CFCs;

Lox Insulation Sheet has an Ozone Depleting Potential and a Global Warming Potential of 0.3. A modern and environmentally-friendly material which, as a result of its composition and characteristics, is highly suitable for insulating airconditioning ductwork, tanks, air-treatment equipment and large diameter tubes inherent in heating and refrigeration installations. In combination with **Lox Insulation Sheet FRZ** and **FRM** pipe insulation, the complete and technical insulation solution for many applications.

Energysaving

The outstanding insulation value is retained throughout the guaranteed long life of **Lox Insulation Sheet FRZ/FRM** due to its fine closed-cell structure. The high yield certainly makes investing in **Lox Insulation Sheet 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 institutes, including the



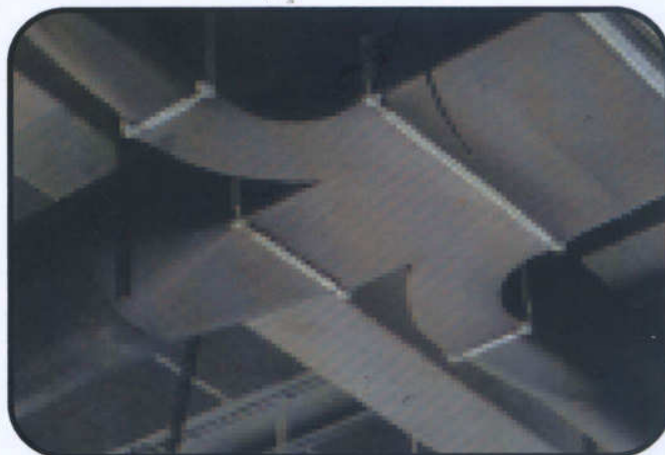
ASTM C 177 test method (determination of thermal conductivity by tube method).

Firerating

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

Watervapour diffusion-resistance

The closed-cell structure of **Lox Insulation Sheet 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



insulation value of **Lox Insulation Sheet FRZ/FRM**, thinner wall thicknesses 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 Sheet FRZ/FRM** is quickly, simply, accurately and cleanly applied. Smaller diameters and wall thicknesses 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.

Lox Insulation Joint

U-profile in polyethylene suitable for finishing around air-duct joints.

Lox Insulation Tape

Self-adhesive insulation tape for those difficult to reach spots, taps, valves, or the finishing touches when installing **Lox Insulation Sheet FR**. Standard dimensions: 5mm thick and 50mm wide, on rolls of 10m.

Lox Insulation Sheet associated products

Lox Insulation Sheet adhesive 575, contact cement with a short lag-time; **Lox Insulation Sheet** paint 900, waterproof elastic paint for the protection of applications exposed to the elements, particularly sunlight.

Lox Insulation Pipe insulation

Lox Insulation Pipe FRZ and **FRM**, directly extruded tubular insulation. Technical characteristics are set out in the **Lox Insulation Sheet FRZ/FRM** brochure.

