



THERMAL INSULATION OF PIPELINES

From the engineering and economic aspects, it is often advisable or even essential to protect pipelines from heat losses and condensation. Low thermal conductivity, low permeability to water vapour, low water absorption, high dimensional stability, good mechanical strength and protection from fire hazards are the aspects which will constitute the ideal insulating material. INSOPIPE expanded polystyrene pipe section incorporates all these aspects well and is therefore particularly effective.

If at all INSOPIPE sections get mechanically damaged during fixing or installation, the damage will be localised and water will not spread to the remainder of the insulation as happens with most other materials. This great advantage is due to the fact that INSOPIPE sections have a completely closed cell structure.

INSOPIPE sections also do not support insect or pest life and are unaffected by fungi and bacteria, making it the ideal choice for pipes operating in areas such as food processing etc., where the highest degree of hygiene is required.

FIELDS OF APPLICATION

Pipes for cold water systems (to prevent condensation and to protect against freezing).

Ducts in ventilation and air conditioning systems (to suppress fluctuations in temperature).

Pipes for refrigerants (to prevent refrigeration losses and condensation) eg. refrigeration units in cold stores, chemical factories, textile and paper mills, ice factories, dairies and breweries.

Pipes for liquefied gases in the cryogenic range down to -180°C (to prevent frost build-up).

Heating, plumbing and ventilation systems operating at temperatures up to 80°C .

Other Insulated equipments.