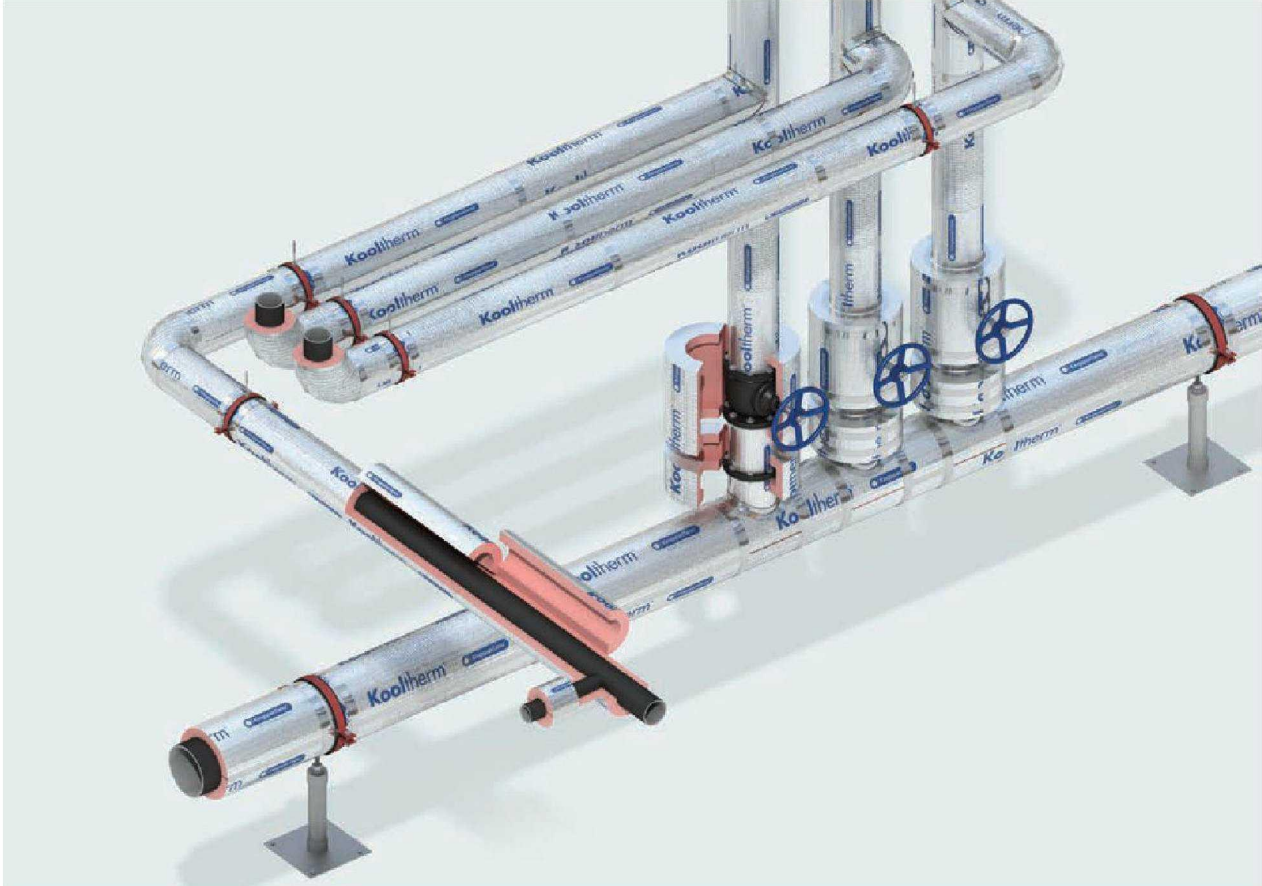


# Technical Bulletin

## Kooltherm® Pipe Insulation

*'Are you getting what you specified'*



Kingspan Tarec Industrial Insulation (KTII) is a joint venture business between two of Europe's largest manufacturers of rigid thermoset, non-fibrous, insulation products.

KTII remains the only manufacturer of Kooltherm® pipe insulation and one that can produce pipe section both on a continuous lamination process and bespoke insulation cut from block. This has gained the company a Queen's Award for Enterprise: Innovation, allowing the business to meet the demands of Modern Methods of Construction and so minimising site and production waste, whilst assisting with the speed of installation on site.

Kooltherm® pipe insulation is manufactured in accordance with the requirements of our ISO 9000 and ISO 14001 registration, with the manufacturing process audited annually (minimum). Audits focus on - the process, QA, traceability, corrective measures in the event of complaints, raw material quality, customer service and operator training.

KTII are the only manufacturer of resin modified Kooltherm® who have the complete manufacturing process kept in house, from self-formulating the insulation, applying the Class O foil covering/vapour control layer and appropriate passivating bore coating/bore liner.

KTII is not an OEM. This un-broken contractual route ensures the specifier has complete confidence in Kooltherm® pipe insulation, with no protracted warranty trails back to the insulation manufacturer.

KTII pipe insulation is manufactured using resin modified Kooltherm® closed cell insulation providing a lambda value of 0.021 W/m<sup>2</sup>K. Kooltherm® is a thermoset insulant and therefore, will not melt run or drip in a fire situation.

### Specification check list for Kooltherm® pipe insulation

- Manufactured to ISO 9000: 2008 Quality management system. LPCB ✓
- ISO 14001: 2004 Environmental management systems. LPCB ✓
- Full process manufacture, no extended contractual route ✓
- Accredited thermal conductivity 0.021 W/m²K ✓
- Twin technology product offering:
  - Modern Methods of Construction MMC ✓
  - Bespoke installation ✓
- Class O Surface Spread of Flame to BS476 Pt. 6 & 7 ✓
- Kooltherm® smoke obscuration <5% (best in class) ✓
- Temperature range -50°C to +120°C ✓
- Meets industry benchmark specification for prevention of CUI ✓
- Passivating bore coating ✓
- Manufactured with Kooltherm® patented technology ✓
- CFC & HCFC free, zero ODP ✓
- Global Warming Potential <5 ✓
- Complete insulation system for below ambient temperatures, incorporating insulated pipe support inserts ✓
- Kingspan Tarec Industrial Insulation recommends TICA installers ✓
- Vapour resistant Kooltherm® core and Class O foil face, providing a vapour control layer when sealed ✓
- A Member of industry body TIMSA ✓
- Product warranty & product liability insured ✓
- Qualified & dedicated technical & customer service support ✓

