

INSULATION OF TRAILERS AND TANKS

For cold transport of CO₂



IC offers a high quality cold insulation system for trailers and mobile tanks with this PU (poly urethane) insulation

The design and covering join complete on tanks and other object where the installation can be done in a relative short project lead time .

THE RESULT

- High quality insulation for cold and cryogenic applications
- Short leadtime
- Multiple vapourproof barriers



BACKGROUND

Cryogenic and cold insulation of trailers, tanks and piping demands a specialist approach. An approach where not only the characteristics of the low temperature medium have to be taken in account but also the demands with respect to maintenance and protective covering of the insulation materials

THE CHALLENGE

The general challenge is to install in a short lead time a high quality insulation on a low temperature system where temperatures, pending on medium / gas can vary from -35 - -196°C . Essential s a full vapour barrier and sufficient heat resistance of the multiple layer insulation system.



DESIGN

The design of insulation packs and vapour-barriers is completely realised by IC. Where possible the insulation systems have a bespoke design made upfront, based on by client supplied drawings and consults. If requested existing systems can always be measured on site.

THE SOLUTION

This type of Tank insulation consists of multiple layers of PU (poly urethane) or Foamglass material with a vapour barrier. The insulation system is covered with an aluminium, polyester or stainless steel cladding. Depending on clients demands the cladding can be in any RAL colour. In this case covering is of polyester with seams sealed with a rubber/ stainless steel.

IC also has experience at installation of insulation systems on cryogenic piping. For example oxygen at -183°C and liquid nitrogen at -196°C . at application of insulation systems on oxygen piping extra care for the materials PSE and tools due to higher fire hazard.



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