CUSTOMER BULLETIN 1109

ISO-C1 Polyisocyanurate Insulation

Energy Savings and Global Warming Potential (GWP)

PURPOSE

This Customer Bulletin is another in a series of white papers aimed at providing our clients, engineers, contractors, fabricators, and friends with objective information on competitive products. Marketing literature on the internet and in printed media typically address energy savings as well as global warming potential. This Customer Bulletin provides factual, clarifying information relating to these subjects.

SUMMARY OF RESULTS

ISO-C1® offers the highest energy and GWP payback in the industry.

In a typical cold temperature application ISO-C1 can save 181,000 BTU's of energy per year for each square foot of pipe surface insulated. Due to the extremely low K factor of ISO-C1 insulation, an energy payback is realized in less than 6 days of use. In fact, the energy saved in the first year of use is 64 times the total BTU's of energy required to produce the raw materials, manufacture the ISO, transport and install the insulation as well as the disposal at the end of its life cycle.

In addition, ISO-C1 can also dramatically reduce emissions that contribute to Global Warming. In the same application ISO-C1 can reduce CO2 emissions in the first year of use by 418 pounds per foot of pipe surface. That's a 51:1 payback of the CO2 prevented in the first year of use versus the total CO2 released during raw material extraction, ISO production, transportation, installation and finally disposal of the insulation at the end of its life cycle.

The technology to reduce Global Warming and our dependence on petroleum imports is readily available. ISO-C1 insulation offers a low cost solution to Global Warming and our Energy Dependence!