

# To Advance Shipping Container Insulation by Way of Intelligent Design

The Insul-Dri Thermal Insulation development project begun with a minimum set of criteria that we deemed from the outset would all have to be met, if the project was going to be considered successful.

- 1/ It must regulate temperatures extremely well, even under the extreme ambient temperatures containers invariably get exposed to.
- 2/ It must insulate not only effectively, but also be very economically viable.
- 3/ It must be environmentally friendly, being made from recycled materials, that are easily recycled after many times of multi-use, after which can be recycled by common kerb side recycling streams.
- 4/ All known insulation methods are to be researched to assess their performance v cost capability, additionally we must assess each insulation type for environmental friendliness, then also research and assess each of the materials' insurance risk assessment profiles.
- 5/ It must insulate so effectively right from it's release date, it will automatically present an alternative to companies currently employing refrigerated containers for insulation.
- 6/ It's Insulation values must exceed that of a typical refrigerated container's.
- 7/ It must be based on an extremely adaptable platform, from which multitudes of specialized add-on's can be applied, that will only be restricted by economics, yet never will it's potential be restricted by a lack of imagination to the possibilities it may lead to.
- 8/ It's installation and de-installation must be able to be accomplished by one man in 5 minutes, and not be a hindrance to the often frantic loading and unloading processes.

NB: We are very proud to say we have met and even exceeded all the preset criteria.