



TARDIGRAD
A service no one else can deliver



InsulRecycle® Thermal Barrier

INSULRECYCLE®

Maximising thermal protection, minimising environmental impact.

THERMAL BARRIERS OF THE PAST

- Traditionally, a thermal barrier has been a material that can **minimise heat or energy transfer**, to protect temperature sensitive goods.
- These barriers have been made from popular materials such as EPS (expanded poly styrene), which have been **cheap and simple to construct**.
- The **energy required to manufacture** and **dispose** of thermal barrier materials was never really considered.



THERMAL BARRIERS OF THE PRESENT



- In today's thermal barrier market, there is focus on managing the **mechanics of heat**, looking more at **reflection, conduction** and **convection** risks to goods.
- With **increasing costs of resources** and energy, effort has been made to establish thermal barriers that are efficient to make and easy to handle.
- With an increased use of thermal barrier material for one-way transport globally, the **cost of disposal** at end-of-life and **environmental impact** of increasing landfill is now becoming of greater importance.

THERMAL BARRIERS OF THE FUTURE

- The next generation of thermal barrier is expected to **effectively manage the mechanics of heat**, while being **efficient to manufacture and handle**.



- It will be expected that thermal barrier materials will be **made from recycled content** and be **recyclable itself at end-of-life**, **reducing environmental impact** by avoiding landfill as waste.
- **InsulRecycle®** from Wilpak Group International is the **thermal barrier innovation** of the future, being a **high performing** and **recyclable** solution that is available now.

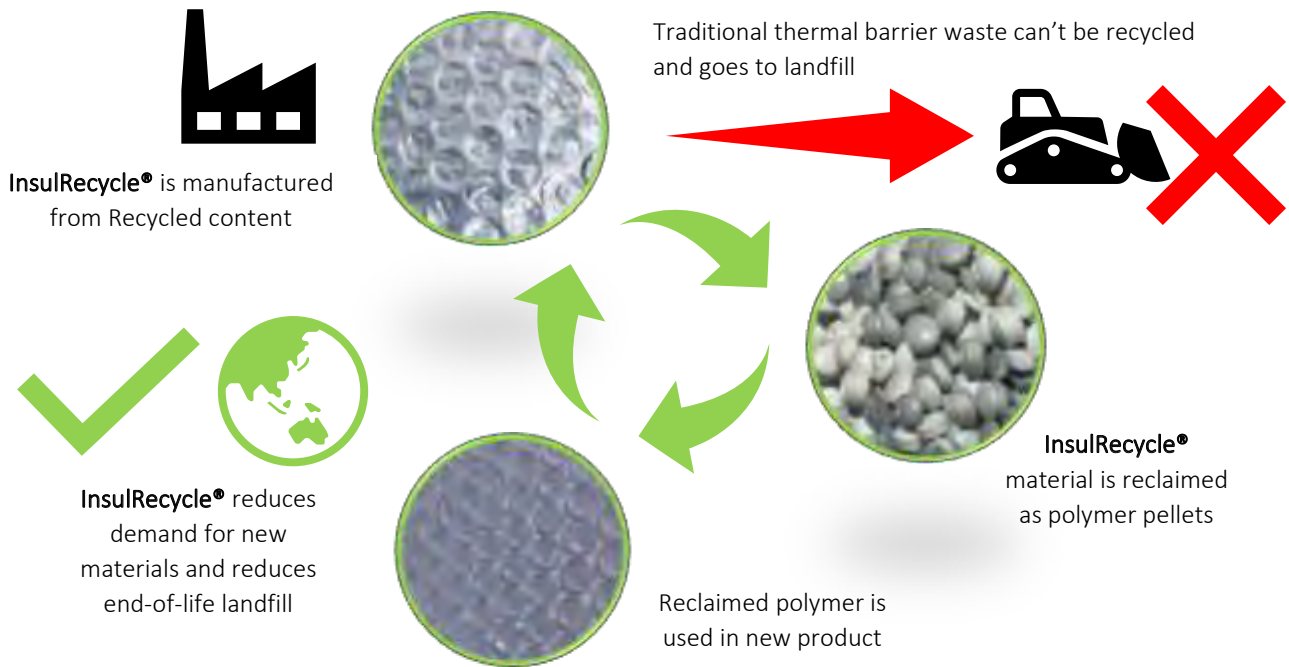


PRODUCT SUMMARY

InsulRecycle®



LIFECYCLE OF INSULRECYCLE® THERMAL BARRIER



INSULRECYCLE® VALUE

PRODUCT FEATURES	CUSTOMER BENEFITS
Constructed from Recycled content	<i>Reduced demand for new materials</i>
Fully Recyclable material	<i>Reduced waste and environmental impact</i>
Light weight thermal protection barrier	<i>Easy and safe to handle</i>
Tough thermal barrier material	<i>Reliable and reusable</i>

INSULRECYCLE® MATERIAL PROPERTIES

MATERIAL	REFLECTIVE BARRIER	AIR CYLINDER	BARRIER THICKNESS	THERMAL RATING
InsulRecycle 30	1 (foil external)	25+ mm	10 mm	High
InsulRecycle 10	1 (foil external)	10 mm	5 mm	Medium - High

OUR SYSTEMS CERTIFICATIONS

Wilpak Group International manufactures according to;

- ISO 9001 Quality Management System
- ISO 14001 Environmental Management System

This provides our partners with peace of mind.

Wilpak Group International ...improving world health.



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