

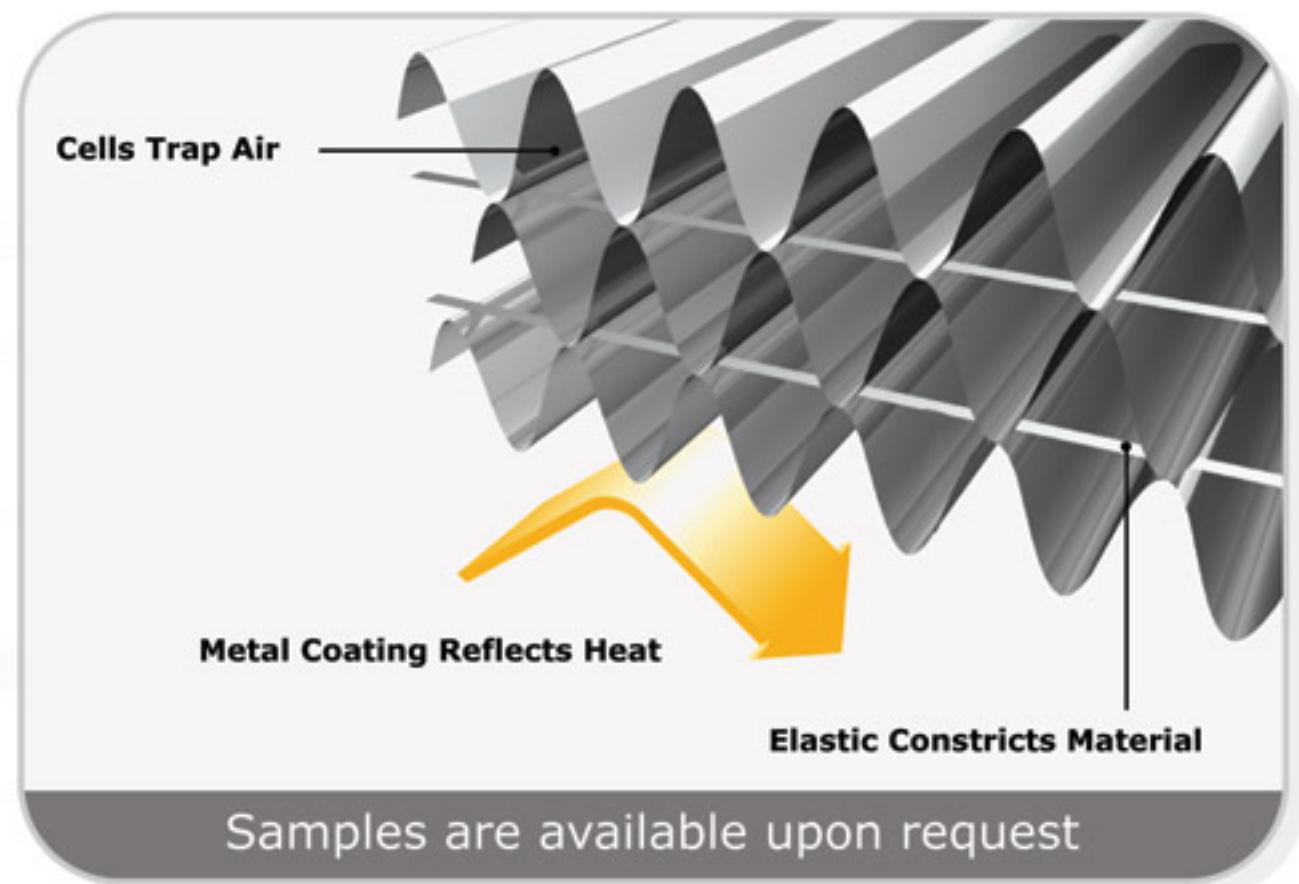
# Reflexcell™

**SUPREME INSULATING MATERIAL  
FOR INDUSTRIAL APPLICATIONS  
IDEAL FOR OIL AND GAS PIPELINES**

## Features:

- Windproof & Waterproof
- Quick and easy to apply & remove
- Highly elastic and pliable
- Hook and loop fastening
- Inexpensive
- Environmentally friendly
- Minimizes radiative losses and gains
- Reduces solar gain
- Operating temperature range of -20 to 70 °C, -5 to 160 °F
- Thermal conductivity of 1.35 W/m2K
- Highly reflective with an emissivity of approx 0.1
- Extremely low mass (0.12 kg/m<sup>2</sup>)

Reflexcell™ material is the perfect short-term solution for insulating pipelines externally.



Samples are available upon request

## Optimal for preventing heat loss or heat gain for pipes, containers or temporary structures

Reflexcell™ is a super-lightweight material that provides unprecedented thermal performance in the most demanding conditions.



 **Blizzard Protection Systems**  
a PerSys Medical Company

**5310 Elm Street Houston, TX 77081**

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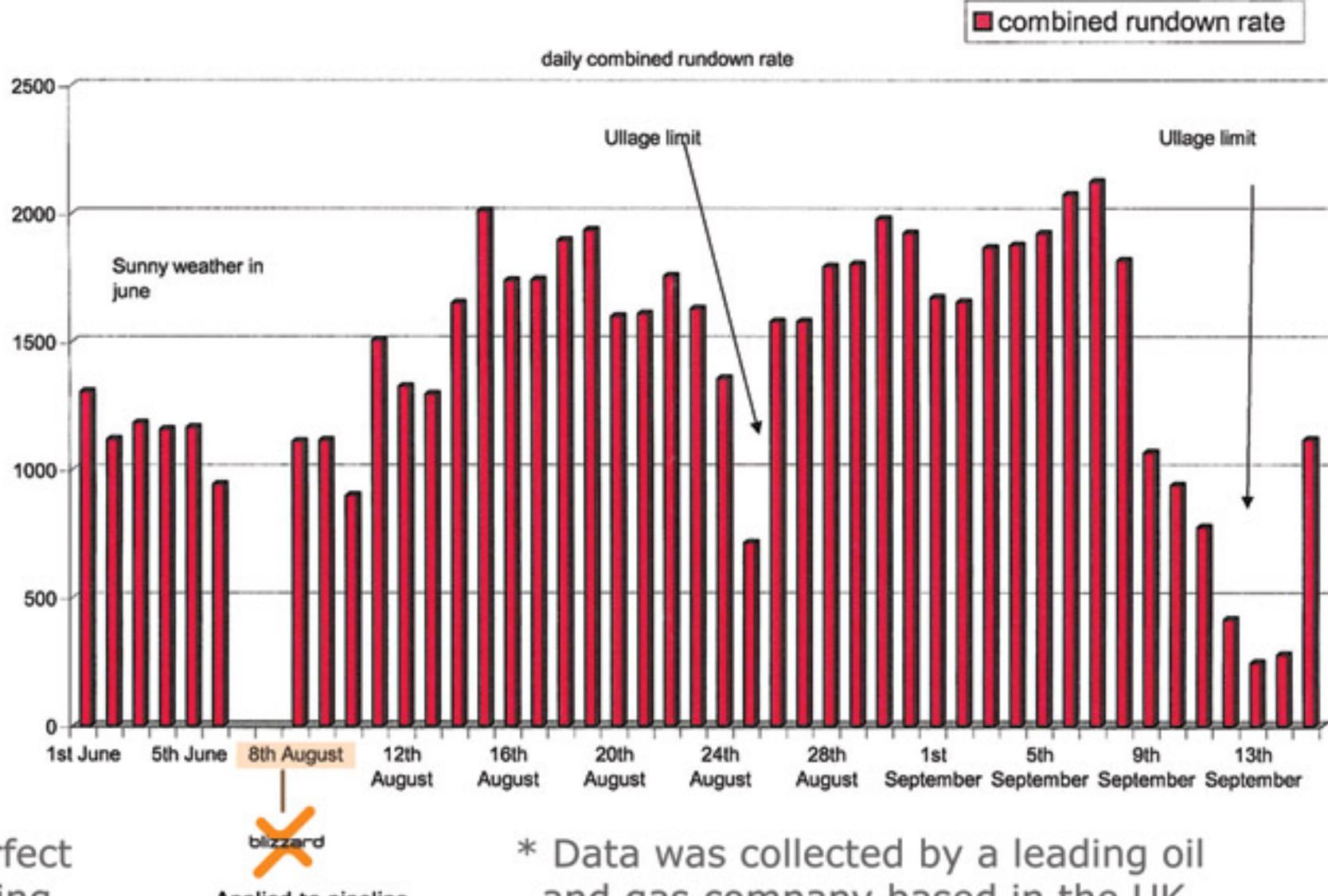
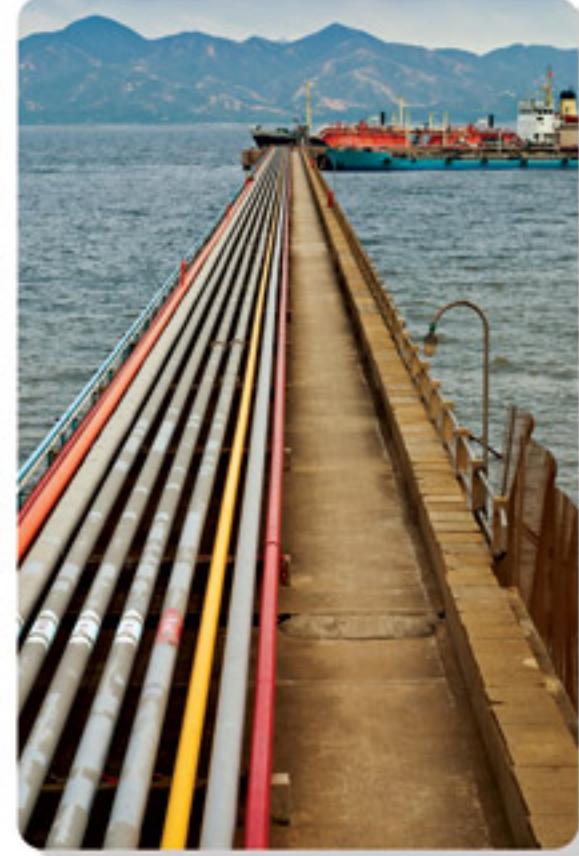
**Phone: 713-723-6000**  
**Toll Free: 1-888-737-7978**





## Flow Rate Data for an LPG Pipeline in strong sunny conditions

Reflexcell™ was added to this pipeline on August 8th. The flow rate shows remarkable improvement thereafter.



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Applied to pipeline

\* Data was collected by a leading oil and gas company based in the UK.

### FREQUENTLY ASKED QUESTIONS

#### What makes Reflexcell™ products work so well?

- The cells in the material trap warm, still air, providing insulation.
- The silver reflective surface blocks radiated heat.
- The elastic causes the material to constrict, stopping drafts, reducing convection.
- The outer layer is completely waterproof and windproof.
- Unlike most other insulating materials, Reflexcell™ works just as well when wet.

#### How strong is Reflexcell™ material?

Surprisingly strong. Multi-layers prevent tear due to accidental puncture. The Reflexcell™ material incorporates a unique structure:

- Three layers reinforce each other; if one is damaged, the others usually remain intact.
- The seams in the material act like the thick threads in ripstop nylon, stopping tears from developing.
- Elastic helps to keep the material in a relaxed state – restricting easy tears.



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