

**Maintenance of high-temperature equipment** is a challenge that the oil and gas industry faces year-round, with increasing pressure to reduce costs and improve plant efficiency.

Hot Application

### Risk of Early Failure

Field data shows traditional coatings applied to online, high temperature pipes can fail after just two years in service.

### Intertherm 2205

Provides extended lifetime when applied onto hot, hand prepared steel up to 205°C (400°F), allowing production to continue, without shutdown.

### \$10,000 per hour

Asset shutdown can cost >\$10,000 every hour in lost production.

Cyclic Process Equipment

Cycling from

**-196°C to 650°C (-320°F to 1202°F)**

Cyclic temperatures can be very damaging to coatings and can rapidly cause major failure, leading to unplanned shutdowns.

### Intertherm 751CSA

Cold Spray Aluminium solution with excellent flexibility, designed for cyclic high temperatures.

### > \$1,000 per m<sup>2</sup>

Cost of CUI remediation

Remedial work to combat damage caused by corrosion under insulation (CUI) and cyclic high temperatures can take up more than 60% of a facility's maintenance budget.

Insulated Pipes, Valves & Vessels

### Overapplication

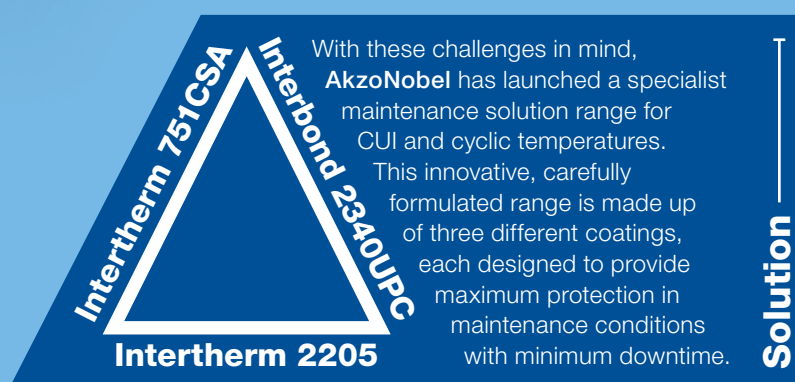
The challenge of applying coatings during maintenance mean that over-application of DFT is common, often leading to cracking in service and unplanned additional maintenance costs.

### Interbond 2340UPC

Performance up to 230°C (446°F) with excellent tolerance to over-application and a fast, low temperature cure.

### Low Temperature

Application of traditional CUI coatings is challenging in cold weather, impacting maintenance schedules.



Solution