

## For Repair and Prevention of Corrosion Under Insulation (CUI)

Corrosion Under Insulation (CUI) costs industry a fortune every year in lost production and repairs. This type of corrosion can cause failures in areas not normally of primary concern. The failures, often the result of localized corrosion, can be catastrophic in nature or at the very least have a serious economic effect in terms of downtime and repair.

CUI is difficult to detect because the insulation cover masks the problem. Whenever CUI is identified through inspection techniques such as Ultrasonics, Infra-red, Radiography or simply visual inspection after removing the insulation, the corrosion found requires treatment.

Belzona® 1251 and Belzona® 5851 have been developed specifically to repair and protect metal surfaces suffering CUI **without interruption to the plant operation** as they are designed for application directly onto hot surfaces (70-150°C/158-302°F).

Both products are single component, heat activated and solvent free. They only begin to react and solidify at temperatures above 70°C (158°F). In addition they are extremely tolerant of less than thoroughly prepared surfaces providing outstanding adhesion and corrosion protection.



INSULATED INSTALLATION APPEARS SOUND



... UNDERNEATH - THE REALITY



INFILL CORROSION PITS



LOCAL REPAIR



PROTECTION OF PROCESS VESSELS



PROTECT PIPEWORK

## The Unconventional Alternative.

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BELZONA® 1251 AVAILABLE IN  
750 GMS AND 5 KG UNITS

BELZONA® 5851 AVAILABLE IN  
1.5 KG AND 8 KG UNITS



**Belzona® 1251** - Rebuilding grade product designed to infill corrosion pitting and for bonding doubler plates over badly corroded areas.



**Belzona® 5851** - Coating grade that provides outstanding corrosion protection.

## Simplicity in Use

- Single component materials.
- Applied to hot surfaces - no need to shut down systems.
- Application by spatula, applicator or brush.
- Belzona® 5851 can also be applied by spray.

## Safety in Use

- Contain zero VOC.
- Solvent free formulations are environmentally friendly, eliminate fire risks and reduce inhalation hazards.
- Perform well on minimally prepared surfaces.
- Can even be used on spark-free, tool prepared surfaces.
- Rapid cure allows equipment to be re-insulated with minimum delay.

## Performance in Service

- Provide excellent corrosion protection on surfaces up to 150°C (302°F).
- Phenomenal adhesion - even to manually prepared surfaces.
- Tough, impact and abrasion resistant.
- System is resistant to normal re-cladding and maintenance procedures.



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