



BELZONA® **1521/1522**

For Spray Applied Protection from High Temperature Erosion-Corrosion

Since 1972, Belzona® has been at the forefront of designing erosion-corrosion resistant coatings and has established a unique range of site-applied coating materials, capable of providing protection at temperatures up to 185°C (365°F).

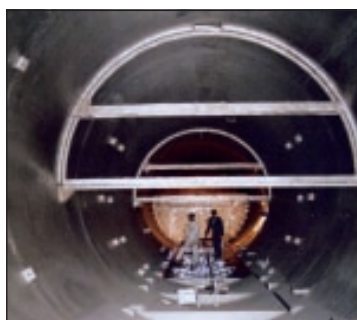
To meet the needs of industry, Belzona® 1521 and Belzona® 1522 have been developed as sprayable high temperature coatings to speed up large applications to process vessels and equipment.

Conventional spray applied coatings utilizing solvents or low viscosity diluents offer limited temperature resistance. In many cases, these coatings are unsuitable for use in pressurized systems, where problems arising from rapid depressurization can occur. Similarly, glass flake systems are unable to withstand the thermal and pressure cycling generally found in high temperature environments.

Belzona® 1521 has been specifically designed for application by heated airless spray and Belzona® 1522 specifically for application by plural airless spray.

Between them these coatings provide:

- **Corrosion protection in immersed conditions at temperatures up to 150°C (302°F)**
- **Excellent resistance to a wide range of aqueous and hydrocarbon mixtures**
- **Resistance to high pressures**
- **The ability to withstand rapid depressurization**
- **Resistance to thermal cycling**
- **Resistance to steaming out**
- **Erosion resistance**
- **Ambient curing capability with in-service post-cure.**



PRODUCTION SEPARATORS



SULFUR PITS



REGENERATORS



CRACKERS



EVAPORATORS



AMINE STRIPPER TOWERS

The Unconventional Alternative.

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BELZONA®

1521/1522



BELZONA® 1000 SERIES METALLIC POLYMERS



TYPICAL SPRAY EQUIPMENT FOR
BELZONA® 1521



TYPICAL SPRAY EQUIPMENT FOR
BELZONA® 1522

Ease of Use/Application

- Belzona® 1521 is designed for application by heated airless spray.
- Belzona® 1522 is designed for application by plural airless spray.
- Applied as single coat system.
- Heat distortion temperatures significantly in excess of cure temperatures allow in-service curing.

Safety in Use

- VOC free formulation is environmentally friendly, eliminates fire risk and reduces inhalation hazards.
- Spark testable for holidays, pinholes and coating application defects.
- Accidental mechanical damage and application defects easily repaired.

Exceptional Performance

- Heat distortion temperature up to 280°C (536°F).
- Excellent adhesion to a wide range of metallic substrates operating at elevated temperatures.
- Belzona® 1521 is suitable for use in pressurized water systems up to 120°C (248°F).
- Belzona® 1522 is suitable for use in pressurized water systems up to 150°C (302°F).
- Withstand steaming out and most other decontamination processes.
- Provide excellent resistance to a wide range of hydrocarbons and hydrocarbon processing amines such as MEA and MDEA.

Other Belzona® Erosion-Corrosion Protection Systems

Belzona® 1341 for enhancing efficiency up to 60°C (140°F)

Belzona® 1321 for use up to 90°C (194°F)

Belzona® 1391 for use up to 120°C (248°F)

Belzona® 1591 for use up to 185°C (365°F)



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