



BELZONA® 1591

The Ultimate Polymer Coating for High Temperature Corrosion Protection

When it comes to combating the effects of erosion-corrosion at elevated temperatures and pressures, Belzona® 1591 is the material of choice.

Belzona® 1591 was designed originally for the offshore oil and gas production industry, where problems of salt water corrosion, chemical attack and abrasion are intensified by ever-increasing operating temperatures and pressures. Belzona® 1591 not only meets the needs of this most demanding of industries, but it also provides solutions to previously impossible to solve problems elsewhere.

In other industries like Petrochemical, Pulp & Paper, Metal Processing, Power Generation and Sugar, Belzona® 1591 offers:

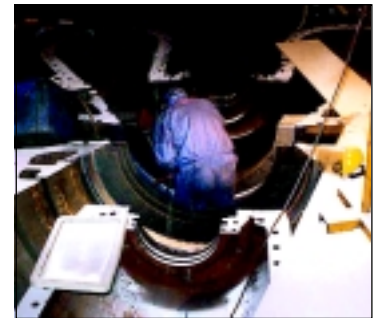
- Corrosion protection in immersed conditions at temperatures in excess of 180°C (365°F)
- Excellent resistance to a wide range of aqueous and hydrocarbon mixtures
- Resistance to high pressures
- Ability to withstand rapid depressurization
- Resistance to thermal cycling
- Erosion resistance

With the additional benefit of being an ambient curing system which post cures in service – requiring no additional external heating equipment – Belzona® 1591 is the most significant development in a long line of proven erosion-corrosion resistant coatings.

Belzona® 1591 – taking protection to unprecedented heights.



SEPARATORS



TURBINES/PUMPS



HEAT EXCHANGERS



EVAPORATORS



KNOCK-OUT DRUMS



ABSORBERS/SCRUBBERS

The Unconventional Alternative.

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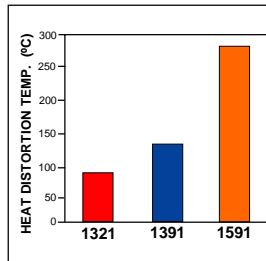




BELZONA® 1591



BELZONA® 1000 SERIES METALLIC POLYMERS



Exceptional Heat Resistance

- Heat distortion temperature up to 280°C (536°F).

Extremely Low Moisture Permeation

- Thermo-osmosis testing in comparison with conventional coatings shows outstanding resistance to blistering.
- Suitable for use in pressurized water systems in excess of 180°C (365°F).

Excellent Adhesion

- Bonds to a wide range of metallic substrates.
- Adhesion maintained at elevated temperatures.

Pressure Resistant

- Independently tested and found to be the only coating capable of withstanding rapid decompression from 30 bar at 130°C (266°F).

Convenience of Use

- Heat distortion temperatures significantly in excess of cure temperatures allow in-service curing.
- Applied as a single coat system.

Safety in Use

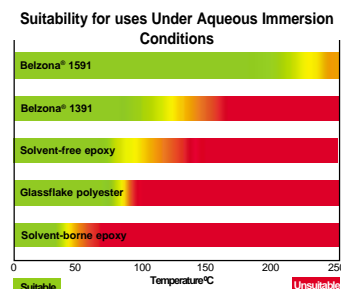
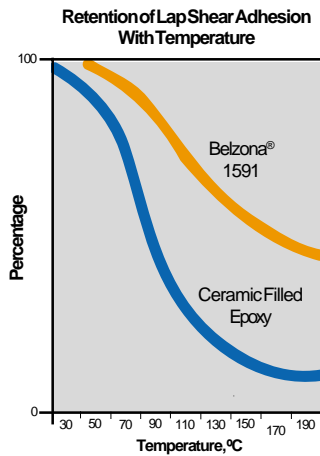
- VOC free formulation is environmentally friendly, eliminates fire risk and reduces inhalation hazards.
- Spark testable for holidays, pin-holes and coating application defects.
- Accidental mechanical damage and application defects easily repaired.

Other Belzona Erosion-Corrosion Protection Systems

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

Belzona® 1391 for use up to 130°C (266°F)

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



BS EN ISO 9002 - 1994
Certificate No. Q/09335

