

Offering ultimate resistance - ABB Belzona® ceramic coated instrumentation



ABB Belzona coated instrumentation is protected against the worst the elements can throw at it. Whether you need weather protection on an oil rig, outside a chemical factory or any exposed or marine location, with high scratch resistance, ABB can protect the instrument to your requirements, quickly* and cost effectively.

* Minimum seven days required for full system curing prior to shipping

ABB Belzona ceramic coated instrumentation

- Marine salt spray resistant
- Common chemicals resistant
- Abrasion resistant (eg. sand in water)
- Excellent temperature stability
- Factory applied to order* under optimum conditions
- Meets FDA approval – CFR21 Part 175.3000, paras. C, D, E and F
- Can be used with most instrumentation including:
 - Electromagnetic flowmeters
 - Vortex flowmeters
 - VA flowmeters
 - Valve positioners
 - I/P converters
 - and more...

What is Belzona Ceramic Coating?

A two part modified urethane and solvent-based system for protecting metallic and other surfaces against chemical, abrasion and corrosive attack.

- Extreme hardness
- Durable
- Chemically resistant
- Attractive, smooth light grey appearance, rejects dirt and grime

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Performance Data

Chemical resistance

After 6 months' exposure at 25°C temperature, no signs of coating breakdown were observed for common chemicals

- 5% hydrochloric acid
- 10% sulphuric acid
- 10% sodium hydroxide
- Xylene
- Aviation fuel
- Gasoline
- Ethyl acetate
- Ethylene glycol

Give us your chemical application and we will run a resistance test!

NB. Total immersion applications are not recommended

■ Weather resistance

No discolouration, loss of gloss, blistering, flaking, rusting or other breakdowns when subjected to accelerated weathering for 3000 hours exposure in weatherometer to BS 3900:Part F3.

■ Corrosion resistance

No blistering, flaking or rusting breakdowns when subjected to 2000 hours exposure in salt spray cabinet to BS 3900:Part F4.

■ Adhesion

Cross hatch – Class 0 (100% pass) when tested to BS 3900:Part E6

■ Impact Resistance

Pass at 1.5mm BS 3900:Part E3

■ Hardness

Pencil hardness 4H in accordance with ASTM D3363 Perzoz hardness against glass is 72%

ABB has Sales & Customer Support expertise in over 100 countries worldwide

www.abb.com/instrumentation

ABB (www.abb.com) is a leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 104,000 people.

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ABB Limited
Howard Road, St. Neots
Cambridgeshire
PE19 8EU
UK
Tel: 0870 600 6122