

# High Performance Static Dissipative, Solvent Free, Barrier Coating



**BELZONA**  
**5813**



Belzona 5813 is a solvent-free, two-component static dissipative barrier coating.

This epoxy based coating system is designed to transfer surface electrostatic charge build-up away from hazardous areas. Due to its excellent static dissipative properties, Belzona 5813 helps to eliminate electrostatic charge where flammable materials are stored.

Surfaces coated with Belzona 5813 prevent sparks, shorts, sudden discharge that can lead to an explosion.

Belzona 5813 is easy to mix and can be applied without the need of specialists tools.

TECHNICAL DATA	Mixing ratio (base : solidifier)	5 : 1 by weight	3 : 1 by volume
	Working life	90 minutes at 20°C (68°F)	
	Shelf life	5 years	
	Surface Resistivity	Concrete: 10 <sup>5</sup> -10 <sup>8</sup> Ω/square	Steel: 10 <sup>5</sup> -10 <sup>7</sup> Ω/square
	Adhesion (ASTM D 4541/ ISO 4624)	Blasted steel: 4,430 psi (30.5 MPa)	Dry concrete: >800 psi ( 5.5 MPa)*
	Compressive Strength (ASTM D695)	9,200 psi (63.4 MPa)	

\*Cohesive failure of the substrate

CURE TIMES	Temperature	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
	Light loading	36 hours	18 hours	9 hours	6 hours
	Full mechanical or thermal loading	8 days	5 days	2 days	36 hours
	Chemical contact	12 days	7 days	5 days	4 days

\*Please consult the Product Specification Sheet (PSS) and Instructions for Use (IFU) for the latest technical data.

## Key Benefits:

### Static dissipative

The surface resistivity of Belzona 5813 helps dissipate a static charge.

### Excellent adhesion

Belzona 5813 exhibits excellent adhesion to concrete and steel.

### Solvent-free

This solvent-free solution does not shrink when curing and reduces health and safety risks in confined spaces.

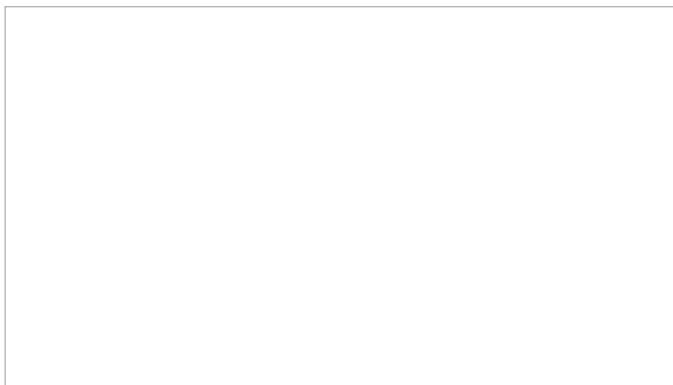


## Application Areas:

- Bunds
- Chemical channels
- Filtration systems
- Floors
- Fuel storage
- Silos
- Tanks



For more information, please contact your local Belzona representative:



### QUALITY PRODUCTS - TECHNICAL SUPPORT

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

Belzona has a global distribution network of over 140 Distributors operating in 120 countries. Local support is provided by a trained Technical Consultant who will diagnose the problem, recommend the solution and provide 24-hour, on-site application supervision and advice.