

# Belzona 4361

## Flexible Barrier Coating for Outstanding Chemical Protection

Concrete is the most commonly used material for construction of secondary containment areas. Whilst concrete is cost-effective and provides good structural strength, it has poor resistance to most chemicals and is highly prone to cracking (e.g. via substrate movement, plastic shrinkage, freeze, thaw effects, etc.).

Containment areas are typically protected with a barrier coating, but if the coating is unable to flex and absorb substrate movement the coating is liable to crack resulting in a breach of containment. This in turn can lead to contamination of the environment and the levying of significant fines by regulatory authorities.

Belzona 4361 is a new secondary containment coating which offers outstanding resistance to a broad range of chemicals combined with excellent flexibility in order to be able to “crack-bridge” on concrete substrates. The coating can also be used on steel substrates which may be subject to excessive flexing or movement sufficient to crack and disbond rigid coatings.



### Application Areas for Belzona 4361:

- Chemical protection of secondary containment areas, acid retaining walls, chemical drains and channels, chemical transfer and holding areas, and other concrete structures
- Creation of non-slip walkways on secondary containment areas when combined with a Belzona aggregate
- Coating of tanks, pipes or other metal substrates subject to excessive flexing or movement

### Key Benefits of Belzona 4361:



#### Outstanding chemical resistance

Belzona 4361 resists a wide range of chemicals including hydrocarbons, strong acids and alkalis.



#### Excellent flexibility

Elongation upto 20 times greater than conventional containment coatings.



#### Simple to use

Belzona 4361 is easy to mix and apply without the need of specialist tools.



#### Excellent adhesion

Belzona 4361 exhibits excellent adhesion to metallic and concrete surfaces.



#### Environmentally friendly

This low VOC coating will have minimal impact on the environment

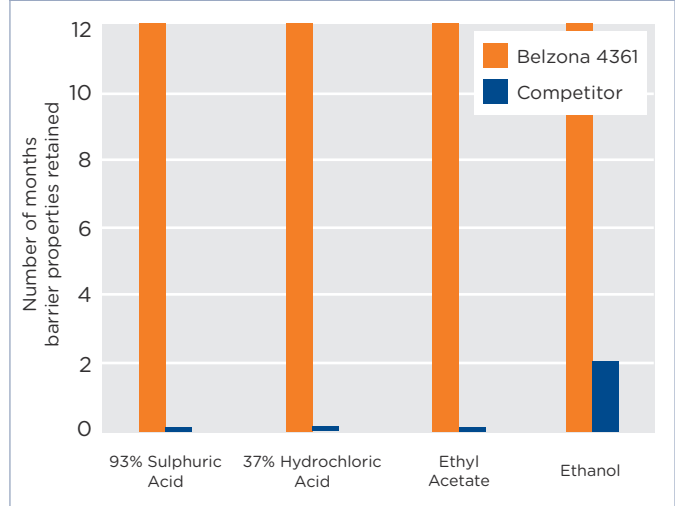
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## CHEMICAL RESISTANCE

	Belzona 4361	Competitor*
93% Sulphuric Acid	Good after 12 months	Failed after 1 day
20% Sulphuric Acid	Good after 12 months	Failed after 9 months
37% Hydrochloric Acid	Good after 12 months	Failed after 5 days
10% Hydrochloric Acid	Good after 12 months	Failed after 9 months
Ethyl Acetate	Good after 12 months	Failed after 5 days
Ethanol	Good after 12 months	Failed after 2 months

\*Flexible competitor coating targeting chemical containment applications

## CHEMICAL RESISTANCE OF BELZONA 4361 VERSUS COMPETITOR\*



## Test Data:

Elongation	20%
Tensile strength	3490 psi (24.1 MPa)
Pull-off adhesion	Blasted mild steel: 3540 psi (24.4 MPa) Concrete: 810 psi (5.6 MPa)
Izod impact	Reverse notched: 11.4 KJ/m <sup>2</sup> (120 J/m) Un-notched: 12.8 KJ/m <sup>2</sup> (160 J/m)

## Application Data:

Available colours	Black, red
Unit size	1.5 kg
Coverage rate	49.5 ft <sup>2</sup> (4.6m <sup>2</sup> ) per coat
Usable life	30 minutes at 20°C (68°F)
Overcoat time	Up to 24 hours

\* Please refer to Belzona 4361 Instructions for Use and Product Specification Sheet for more details.



Belzona 4361 is available in black and red to facilitate application and to prevent misses.

For more information, please contact your local Belzona representative:

## QUALITY PRODUCTS - TECHNICAL SUPPORT

The Belzona product range is manufactured through stringent quality and environmental control guidelines complying with the internationally recognised requirements of ISO 9001:2008 and ISO 14001:2004.

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.



Belzona products are manufactured under an ISO 9000 Registered Quality Management System