

Bulkfill Composite for Large Areas of Damaged Concrete and Other Surfaces



Belzona 4154 is an epoxy-based resin designed to be mixed with readily available aggregates, such as sand, quartz or crushed stone. It is a cost-effective, safe and easy-to-apply repair solution.

This material has been designed to be used for surfaces damaged by impact, vibration, chemicals or environmental attack which have left large, uneven surfaces, deep holes and cracks. By bonding strongly to brick, concrete and other surfaces Belzona 4154 can effectively repair the substrate.

Then, to provide thorough protection, the application area must be top coated with a Belzona repair mortar or protective coating to meet the needs of the operating environment.

TECHNICAL DATA	Mixing Ratio (Base:Solidifier):Aggregate	6.7 : 1 : 53 by weight
	Working Life	30 minutes at 25°C (72°F)
	Shelf Life	5 years
	Adhesion (pull-off) * cohesive failure of substrate	Dry concrete: > 3.45 MPa (> 500 psi)*
	Compressive Strength	89.63 MPa (13,000 psi) after 7 day cure at 22°C (72°F)
	Volume Capacity	14,000 cm ³ (854 in ³) / 3.65kg of Belzona 4154 mixed with 25 kg of aggregate
	Coverage Rate	1.1 m ² (11.8 ft ²) / 3.65 kg of Belzona 4154 mixed with 25 kg of aggregate at 12 mm (0.5 in)

CURE TIMES	Temperature	10°C (50°F)	15°C (59°F)	20°C (68°F)	25°C (77°F)
	Overcoating	12 hours	8 hours	6 hours	5 hours
	Full Mechanical Hardness	3 days	2 days	1 day	16 hours

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



SIMPLE APPLICATION



HIGH ADHESION



NO SHRINKAGE



EXCELLENT MECHANICAL STRENGTH



COST EFFECTIVE



NO VOC

Key Benefits:

- **Easy to mix**

This two-component material can be easily mixed with a variety of locally-sourced aggregates at a simple mixing ratio

- **Large volume repairs**

It can be used to fill large areas before being over-coated with a Belzona protective coating or repair mortar

- **Fast curing**

Reaching full mechanical hardness in as little as 16 hours, Belzona 4154 is a fast-curing alternative to concrete which can take 24 days to completely cure

Application:

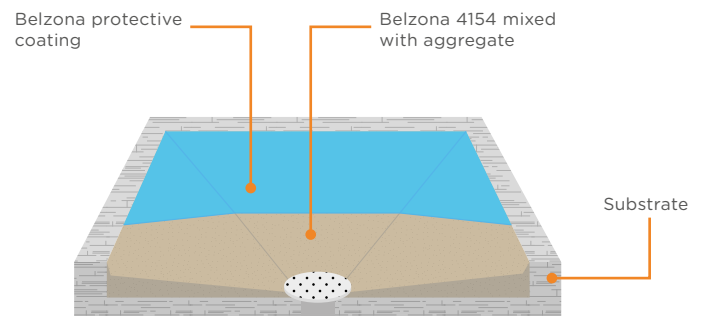
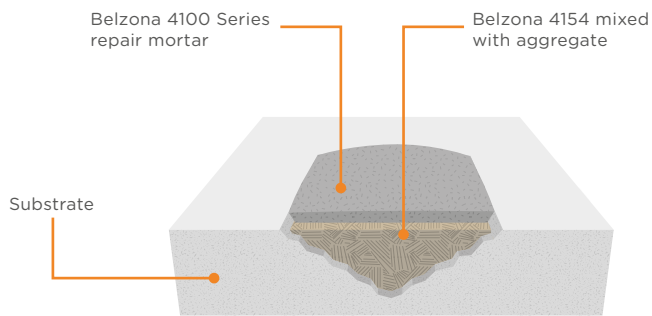
Belzona 4154 used to repair the wall of a secondary containment area.



Before



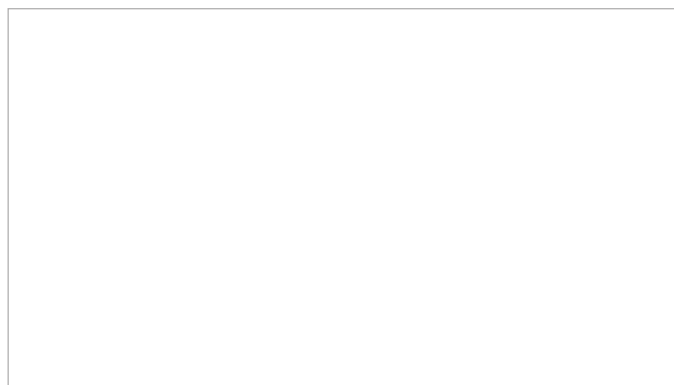
After



Application Areas:

- Aisles
- Chemical containment areas
- Chemical storage areas
- Floors
- Loading docks
- Machinery and production areas
- Ramps
- Roads
- Sidewalks
- Stairways
- Walkways

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.