

# Concrete Protection System



# 4151



Crack repaired with Belzona 4151 and 4111 system

Belzona 4151 (Magma-Quartz Resin) is a two component coating suitable for protecting concrete substrates from moisture ingress and chemical attack.

The material can be injected to accomplish repairs such as crack stabilisation and shimming pump bases. It can also be applied by brush, roller and squeegee depending on the application.

TECHNICAL DATA	Mixing ratio (Base:Solidifier)	2 : 1 by volume	2.4 : 1 by weight
	Working life	13 minutes at 25°C (77°F)	
	Shelf life	5 years	
	Heat resistance	160°C (320°F) dry	
	Adhesion (pull-off) * cohesive failure of substrate	Dry concrete: 3.45 MPa (500 psi)*	Damp concrete: 3.27 MPa (475 psi)*
	Compressive strength	89.63 MPa (13,000 psi)	
	Volume capacity	5420 cm <sup>3</sup> (330 in <sup>3</sup> ) / 6 kg	
	Heat distortion temperature	41°C (106°F)	
	Abrasion resistance	H10 - 427 mm <sup>3</sup> wet	CS17 - 72 mm <sup>3</sup> dry
	Coverage rate	19 m <sup>2</sup> (205 ft <sup>2</sup> ) / 6kg	

CURE TIMES	Temperature	5°C (41°F)	15°C (59°F)	25°C (77°F)
	To resist pedestrian traffic	16 hours	6 hours	4 hours
	Full mechanical hardness	2 days	1 day	16 hours
	Full chemical resistance	14 days	10 days	5 days

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



EASY TO MIX



EXCELLENT ADHESION



LOW VOC



NO SHRINKAGE

# 4000 Series BELZONA 4151

## Key Benefits:

- Easy to mix and apply

Belzona 4151 is a two-part material which can be easily mixed with aggregate to achieve the desired consistency.

- Provides hygienic surface

The material will not taint food products and meets the USDA requirements for incidental food contact.

- Resistance to environmental attack

This system can be applied and cured under adverse conditions and will resist environmental attack.

- Excellent adhesion to many substrates

Excellent bonding to metallic and masonry surfaces including concrete, brick, marble and stone.



A concrete panel had cracked causing problems on the road



The Belzona 4151 + 4111 system was used to rebuild and smooth the cracked area

## Application Areas:

- Corroded pipes
- Cracked pipes
- Force mains
- Gravity lines
- Irregular pipe fittings
- Leaking pipes
- Underwater repair

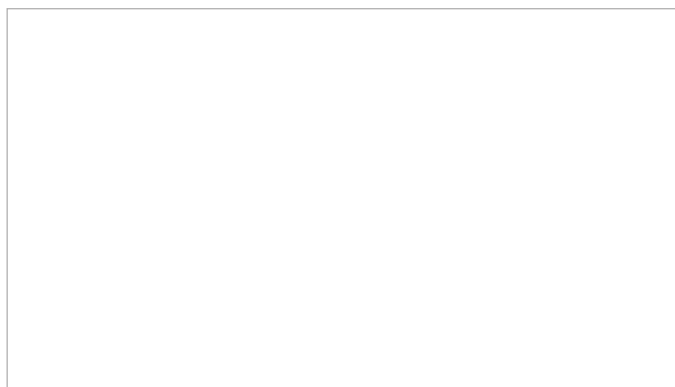


A wall corner was severely damaged



Belzona 4151 was injected before cracks were filled with Belzona 4111

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.