

# Durable & Abrasion Resistant Elastomer



Belzona 2121 (D&A Hi-Coat Elastomer) is a two component polyurethane resin designed for the coating of metal and rubber components.

This flexible rubber material is appropriate for applications where durability, elasticity, high abrasion and tear resistance are required.

It is easy to mix and apply without the need for specialist tools and it cures at room temperature eliminating the need for hot work and vulcanisation.

TECHNICAL DATA	Mixing Ratio (Base:Solidifier)	3 : 1 by volume		3.1 : 1 by weight	
	Working Life	12 minutes at 20°C (68°F)			
	Shelf Life	3 years			
	Coverage Rate	0.91 m <sup>2</sup> (9.4 ft <sup>2</sup> ) / 520 g at 500 microns (20 mils)			
	Adhesion (90°C Peel)	Mild steel: 3,020 kg/m (169 pli)			
	Adhesion (180°C Peel) *cohesive failure of substrate	Nitrile : 790 kg/m (44 pli)*	Neoprene : 450 kg/m (25 pli)*	EPDM : 540 kg/m (30 pli)*	Natural rubber: 220 kg/m (12 pli)*
	Volume Capacity	454 cm <sup>3</sup> (27.7 in <sup>3</sup> ) / 520 g			
	Heat Resistance	-40°C to 65°C (-40°F to 150°F) dry			
	Shore A Hardness	89 after 24 hour cure at 20°C (68°F)			
	Abrasion Resistance	H10 - 31 mm <sup>3</sup> dry		H10 - 27 mm <sup>3</sup> wet	

CURE TIMES	Temperature	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
	Movement or use Involving no Loading	4 hours	2 hours	1½ hours	1 hour
	Light Loading	16 hours	8 hours	6 hours	4 hours
	Full Mechanical or Thermal Loading	2 days	1 day	20 hours	16 hours
	Immersion in Chemicals	96 hours	60 hours	2 days	36 hours

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



EASY TO APPLY



ABRASION, WEAR AND IMPACT RESISTANCE



HIGH ELASTICITY



LONG LASTING



EXCELLENT ADHESION

## Key Benefits:

- Outstanding protection against wear, impact and abrasion

This flexible rubber repair material is appropriate for applications where high abrasion, wear and impact resistance are required.

- Excellent adhesion to a wide variety of substrates

Belzona 2121 will bond to natural rubber, nitrile, neoprene, SBR (Styrene Butadiene Rubber), polyurethane, PVC, steel, copper and concrete.

- Easy and seamless application

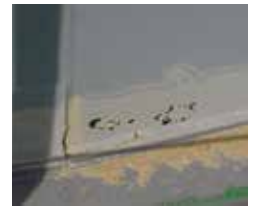
This material is easy to mix and apply without the need for specialist tools. Its seamless application allows for small and large areas to be treated in one operation.



## Application Areas:

- Deburring machine linings
- Hydroelectric turbine guide vanes
- Pipes, tanks and fluid handling equipment
- Pump casings and impellers
- Ship propellers
- Vibratory feed bowl linings

### Before & After



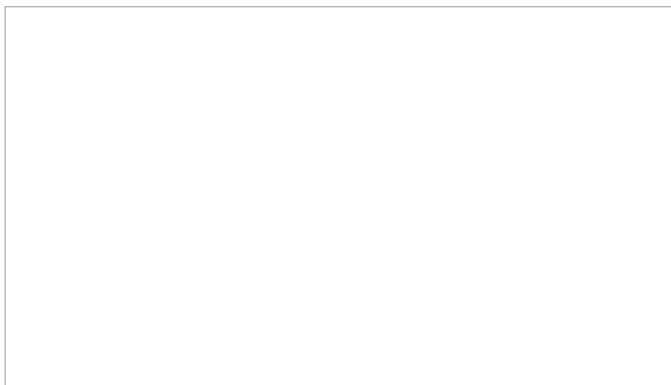
Sealing

Coating

Lining

Repairing

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.