

# Durable & Abrasion Resistant Fluid Elastomer



**BELZONA®**  
**2131**



Belzona 2131 (D&A Fluid Elastomer) is a two component polyurethane resin designed for the coating of metal and rubber surfaces, as well as casting of new rubber components.

This versatile system provides excellent resistance to wear, abrasion and atmospheric degradation, high elasticity, exceptional mechanical strength and tear resistance.

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)	3.2 : 1 by volume		3.4 : 1 by weight	
	Working Life	12 minutes at 20°C (68°F)			
	Shelf Life	3 years			
	Coverage Rate	1.25 m <sup>2</sup> (13 ft <sup>2</sup> ) per unit on metallic surfaces. Up to 50% less on rubber substrates.			
	Adhesion (90°C Peel)	Mild steel: 3,320 kg/m (186 pli)			
	Adhesion (180°C Peel) *cohesive failure of substrate	Nitrile : 655 kg/m (37 pli)*	EPDM : 350 kg/m (20 pli)*	Neoprene : 510 kg/m (28 pli)*	Natural rubber: 250 kg/m (14 pli)*
	Volume Capacity	443 cm <sup>3</sup> (27 in <sup>3</sup> ) / 500 g			
	Heat Resistance	-40°C to 90°C (-40°F to 194°F) dry			
	Shore A Hardness	90 after 24 hour cure at 20°C (68°F)			
	Abrasion Resistance	H18 - 30 mm <sup>3</sup> dry		H18 - 30 mm <sup>3</sup> wet	

CURE TIMES	Temperature	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
	No Loading	4 hours	2 hours	1½ hours	1 hour
	Light Loading	16 hours	8 hours	6 hours	4 hours
	Full Mechanical 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



EASILY  
POURABLE



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 2131 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:

### Before & After

- Casting flexible molds
- Casting guide bearings
- Casting shock absorbers
- Repairing diaphragms
- Replacing drive couplings
- Surfacing pumps



Impeller rebuilding



Gasket sealing



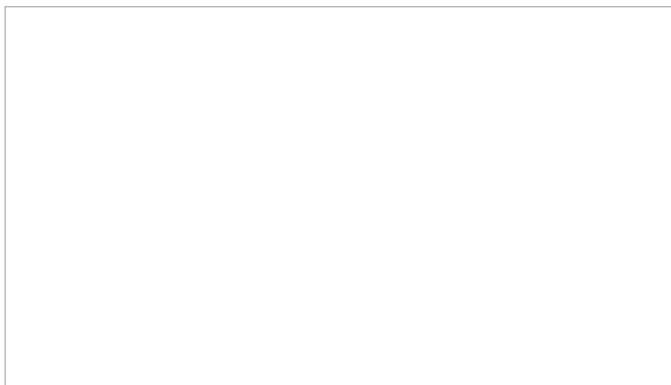
Floating hose repair



Mixer blade protection



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.