

# Durable & Abrasion Resistant Elastomer



Belzona 2111 (D&A Hi-Build Elastomer) is a two component, elastomeric material designed for repairing, rebuilding or creating rubber components.

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

Belzona 2111 can be applied without the need for specialist tools and will adhere to almost any surface.



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			
	Adhesion (90° Peel)	Grit blasted mild steel: 3,065 kg/m (172 pli)			
	Adhesion (180° Peel) *cohesive failure of substrate	Nitrile: 690 kg/m (39 pli)*	EPDM: 425 kg/m (24 pli)*	Neoprene: 365 kg/m (20 pli)*	Natural rubber: 385 kg/m (22 pli)*
	Elongation	450-550 % after 24 hour cure at 20°C (68°F)		350-450 % after 7 day cure at 20°C (68°F)	
	Heat Resistance	-40°C to 90°C (-40°F to 194°F) dry			
	Shore A Hardness	91 after 24 hour cure at 20°C (68°F)			
Abrasion Resistance - loss per 1000 cycles	H18 - 16 mm <sup>3</sup> (wet)		H18 - 41 mm <sup>3</sup> (dry)		

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 hr
	Light Loading	16 hours	8 hours	6 hours	4 hours
	Full Mechanical Loading	48 hours	24 hours	20 hours	16 hours
	Immersion in Chemicals	96 hours	60 hours	48 hours	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



SEAMLESS  
APPLICATION



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 is required.
- Excellent adhesion to a wide variety of substrates**  
 Belzona 2111 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:

- Conveyor belts
- Deburring machines
- Diaphragms
- Drive couplings
- Filter casings
- Flexible moulds
- Guide bearings
- Pumps
- Rubber linings
- Seals
- Ship fenders
- Shock absorbers

### Before & After



Impeller rebuilding



Transformer leak sealing

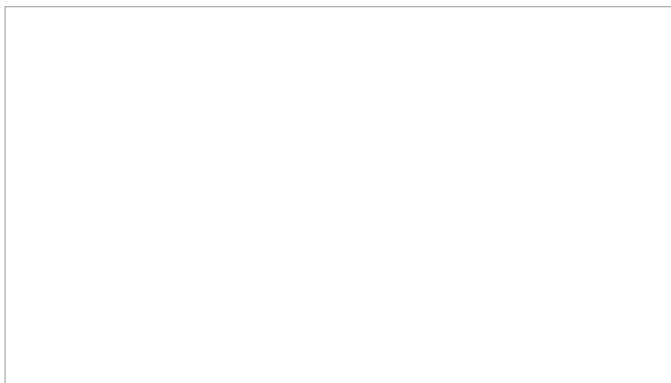


Floating hose repair



Conveyor belt repair

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.