

Multi-Purpose, Flexible Repair Composite



Belzona 2221 (MP Fluid Elastomer) is a two-component elastomeric repair composite for the repairing and rebuilding of rubber components.

This versatile high performance elastomer can be applied without the need for specialist tools and will bond strongly to a wide range of substrates including natural rubber, nitrile, neoprene, polyurethane, pvc, steel, copper, aluminium and concrete.

TECHNICAL DATA	Mixing ratio (Base : Solidifier)	3 : 1 by volume		2.3 : 1 by weight	
	Working life	15 minutes at 20°C (68°F)			
	Shelf life	3 years			
	Adhesion (90° Peel)	Grit blasted mild steel: 2,839 kg/m (159 pli)			
	Adhesion (180° Peel) *cohesive failure of substrate	Natural rubber: 163 kg/m (9 pli)	Neoprene: 723 kg/m (40 pli)	Nitrile: 697 kg/m (39 pli)	EPDM: 584 kg/m (33 pli)
	Elongation	1000% after 24 hour cure at 20°C (68°F)		1000% after 7 day cure at 20°C (68°F)	
	Tear strength	4,106 kg/m (230 pli) after 7 day cure at 20°C (68°F)			
	Tensile strength	10.34 MPa (1,500 psi) after 7 day cure at 20°C (68°F)			
	Shore A hardness	73 after 7 day cure at 20°C (68°F)			
	Abrasion resistance - loss per 1000 cycles	H18 - 313 mm ³ dry		H18 - 88 mm ³ wet	

CURE TIMES	Temperature	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
	Light loading	24 hours	12 hours	9 hours	6 hours
	Full mechanical loading	72 hours	36 hours	32 hours	28 hours
	Immersion in chemicals	5 days	3 days	2.5 days	2 days

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



EASY TO APPLY



LOW TEMPERATURE CURE



HIGH ELASTICITY



SOLVENT FREE



EXCELLENT ADHESION

Key Benefits:

- **Simple and seamless application**
Material is easy to mix and apply with no specialist tools and will cure at ambient temperatures.
- **Excellent in-service performance**
Elastomer resists tear, impact, abrasion, weathering and a wide range of chemicals.



Application Areas:

- Conveyor belts
- Floating hoses
- Expansion joints
- Valve seals
- Gaskets
- Rubber rollers
- Pumps
- Impellers
- Valves

BEFORE

Damaged part rebuilt



Crack and rip repaired



New component cast



Dissimilar material sealed



AFTER



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.