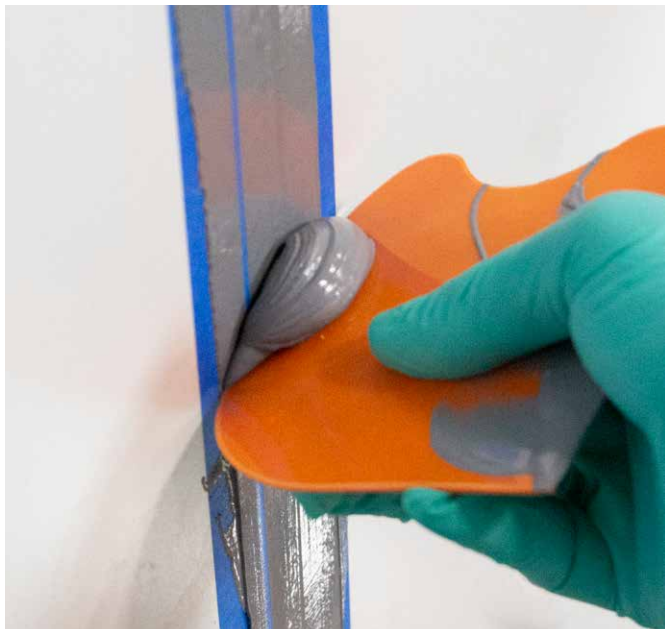


# Elastomeric Sealant for Vertical, Horizontal or Sloped Expansion Joints



**BELZONA**  
4511



Belzona 4511 is a solvent-free, two-component elastomeric sealant for vertical and horizontal building expansion joints.

This fast curing, hybrid polymer system is designed to provide effective sealing of vertical and horizontal building and expansion joints on concrete, stone, brick and other surfaces. Belzona 4511 is a cost-effective and high performance alternative to conventional mastic sealants. It is specifically designed for joints with up to  $\pm 12.5\%$  movement.

This material helps to avoid costly structural rebuild and reduces downtime.

TECHNICAL DATA	Mixing ratio (base:solidifier)	6.4 : 1 by weight		5.1 : 1 by Volume	
	Working life	90 minutes at 22°C (72°F)			
	Shelf life	5 years			
	Volume capacity	3354 cm <sup>3</sup> (204.8 in <sup>3</sup> ) / 4.2 kg			
	Expansion joint applications	Class 25, Type M, Grade N Sealant ( $\pm 12.5\%$ movement) under modified ASTM C-719			
	Shore A hardness	63			
	Adhesion (90° peel)	Blasted steel: 805.4 kg/m (45.1 pli)	Aluminium: 914.3 kg/m (51.2 pli)	Concrete: 708.8 kg/m (39.7 pli)	Belzona 4111: 771.5 kg/m (43.2 pli)
Tear strength	1,384 kg/m (77.5 pli)				

CURE TIMES	Temperature	10°C (50°F)	22°C (72°F)	30°C (86°F)	40°C (105°F)	50°C (122°F)
	Light loading	20 hours	8 hours	4 hours	2 hours	1 hour
	Full mechanical or thermal loading	2 days	1 day	12 hours	6 hours	3 hours

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



**EXCELLENT FLEXIBILITY**



**WEATHERPROOF**



**EXCELLENT ADHESION**



**EASY TO APPLY**

## Key Benefits:

- **Excellent flexibility**

Demonstrates long-term flexibility, accommodating for horizontal and shear movement up to  $\pm 12.5\%$ .

- **Weather resistant**

Belzona 4511 is weather and UV resistant, whilst also retaining its elasticity at low temperatures.

- **Excellent adhesion**

Exhibits excellent adhesion, even onto porous substrates affected by environmental moisture.

- **Easy to apply**

Manually applied without the need for hot work or specialist tools, reducing downtime.



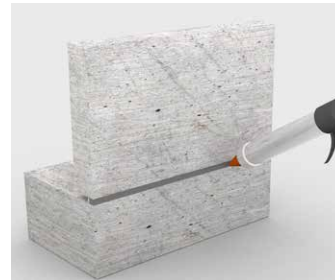
Used to refurbish failed joints in containment area

## Application Areas:

- Bridges and roadways
- Industrial utilities
- Manufacturing plants
- Parking garages
- Commercial buildings
- Retail facilities
- Stadia
- Warehouses



Weatherproof sealant for doors, windows and other openings



Weatherproof sealant for concrete bases



Expansion joint sealant for adjacent walls



Expansion joint sealant for vertical structures

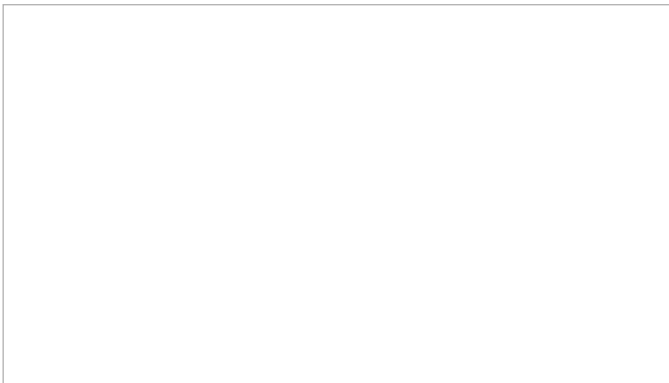


Joint sealant for concrete access ramps



Joint sealant for concrete bleachers and steps

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.