

# Flexible, Peelable Encapsulating Membrane for Corrosion Protection



# 3411



Belzona 3411 is a solvent-free hybrid polymer coating which is used to completely encapsulate substrates with complex geometries, such as flanges.

When encapsulated, flanges are then protected from the elements. Moisture is excluded from the substrate and corrosion is prevented.

Belzona 3411 is a liquid-applied material which does not require heat or specialist tools for application and reacts to form a tough, elastic protective barrier.

When used in conjunction with a Belzona 8411 base layer, the system still provides outstanding corrosion protection but can also be cut away, allowing access to the substrate underneath.

TECHNICAL DATA	Mixing ratio (Base : Solidifier)	18 : 1 by weight	
	Working life	90 minutes at 20°C (68°F) and 50% relative humidity	
	Shelf life	2 years	
	Coverage rate	0.4 m <sup>2</sup> (4.4 ft <sup>2</sup> ) / 1 kg at 1,500 microns (60 mils)	
	Tear strength	380 kg/m (21 pli) unreinforced	1,830 kg/m (100 pli) reinforced
	Adhesion (90° Peel)	Carbon steel: >118 kg/m (>6.6 pli)	Epoxy paint: >114 kg/m (>6.4 pli)
	Elongation	66% unreinforced	24% reinforced
	Tensile strength	2.8 MPa (410 psi) unreinforced	4.6 MPa (670 psi) reinforced

CURE TIMES	Substrate Temperature	5°C (41°F)	10°C (50°F)	20°C (68°F)	40°C (104°F)
	30% relative humidity	7 days	6 days	5 days	4 days
	50% relative humidity	6 days	5 days	4 days	3 days
	80% relative humidity	5 days	4 days	3 days	2 days

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



**BRUSH OR SPRAY APPLIED**



**SOLVENT FREE**



**UV & ENVIRONMENTAL RESISTANCE**



**EXCELLENT ADHESION**



**EASY TO APPLY**



**CORROSION RESISTANCE**

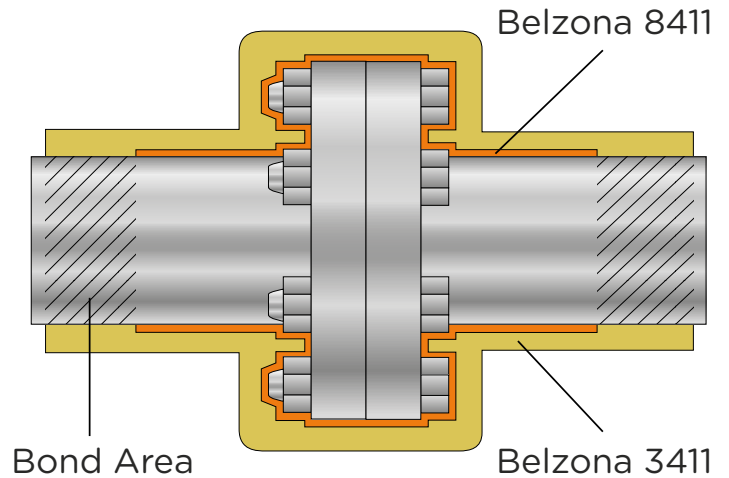
## How it works:

The initial layer of Belzona 8411 acts as a corrosion inhibitor and release layer, facilitating peeling back the topcoat.

Belzona 3411 is easily applied either by brush or Belzona spray gun.

After curing, Belzona 3411 can be sliced open and peeled back to access the substrate .

To fully reseal the system, a reinforcement sheet and another layer of Belzona 3411 are applied.



## Application Areas:

Although originally designed for flanges and pipework, there are many different areas Belzona 3411 has been applied successfully, including:

- Christmas trees
- Fastenings/valves
- Floor sealing
- Platform risers
- Waterproofing electronic components



Lokrings coated in Belzona



Sealed deck-support bolts

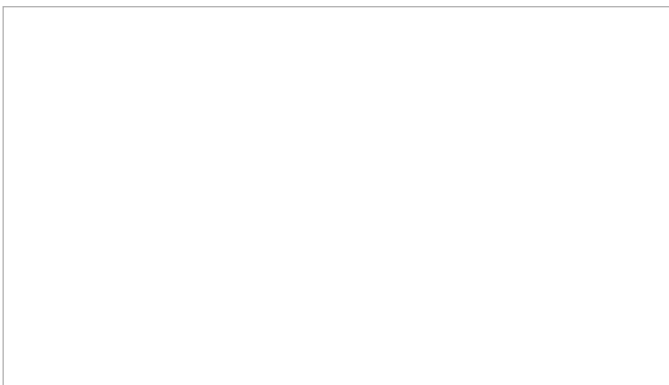


Inspection boxes protected from corrosion



Steel/neoprene cladding bridged on a riser boot

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.