

# Seamless, Flexible Protection for Thermal Insulation



# 3211



Belzona 3211 (Lagseal) is a single-component, water-based, microporous coating for the sealing and long term protection of all types of thermal insulation.

It can be applied by spray or brush without the need for specialist tools. It is a two layer application reinforced with glass fibre sheeting.

This versatile system is suitable for applications onto new and existing lagging on steam, condensate or chilled pipelines. It is also resistant to water, weather and fire.

TECHNICAL DATA	Shelf life	5 years
	Fire resistance	EN 13501-1 Classification - Euroclass - C s2 d0
	Water vapor permeability after 7 days cure at 20°C (68°F)	Unreinforced: 2.748 Perms
	Elongation after 7 days cure at 20°C (68°F)	90%
	Tensile strength after 7 days cure at 20°C (68°F)	2.5 N/mm <sup>2</sup> (370 psi)

DRYING TIMES	Coats/layers	Priming Coat	First Layer	Second Layer
	Touch dry	30 minutes	2 hours	1 hour
	Hard dry for overcoating	1 hour	4 hours	2 hours
	Maximum overcoating time	3 days	3 days	3 days
	Full hardness, anticipated chemical contact	7 days	7 days	7 days

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



**FIRE RESISTANT**



**EASY TO CLEAN**



**EASY TO APPLY**



**EXCELLENT OIL RESISTANCE**



**EXCELLENT CHEMICAL RESISTANCE**



**HIGHLY FLEXIBLE**

## Key Benefits:

- **Simple application**

This system can easily be spray or brush applied to new or existing lagging, both dry and damp.

- **Hygienic finish**

Belzona 3211 will not support the growth of bacteria or algae, providing an easy-to-clean, hygienic finish.

- **Seamless finish**

The coating will easily encapsulate surfaces and provides a seamless finish. It can be used for complicated geometries such as flanges, T pieces or pipe elbows.

- **Flexible system**

Belzona 3211 has been designed to be flexible, allowing it to withstand movement due to temperature fluctuations and equipment vibration.

- **Durable results**

The material provides excellent resistance to liquids such as: oil, chemicals and water; steam impingement; infra-red and ultra-violet radiation; and fire.



LNG storage spheres

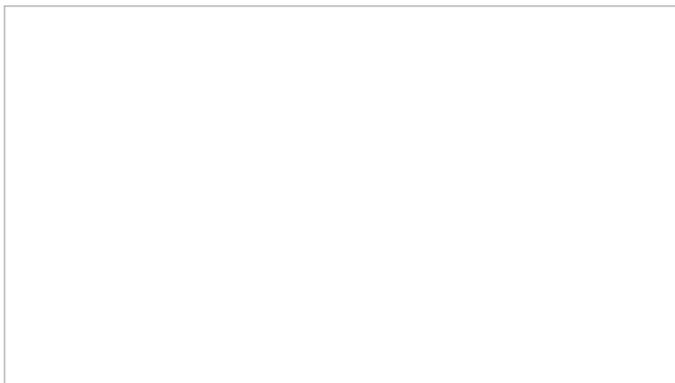


Tank base sealing

## Application Areas:

- Boilers
- Encapsulation of insulation
- Exhaust ducting
- Flange covers
- Heat exchangers
- Pipework
- Pressure vessels
- Steam lines
- Tanks
- Valves

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.