

High Performance & UV-Stable Coating for Leading Edge Protection



5721



Belzona 5721 is a 2-component, high-performance coating, specifically formulated for protecting the leading edge of wind turbine blades from erosion and impact damage.

This system is ideally suited for the rigours of in-situ applications, supplied in convenient cartridge or tin formats and easy to apply by brush or former in a single coat.

Together with its low-temperature cure technology, Belzona 5721 can maximise available maintenance opportunities and ensure the turbine's fast return to service.

It is also safe to use due to being cold applied without the need for specialist tools or equipment. Furthermore, the Belzona solution is 100% solids and solvent free, making it suitable for factory application.

TECHNICAL DATA	Mixing ratio (Base : Solidifier)	2 : 1 by volume.			
	Coverage rate	1.3 m ² (14 ft ²) / kg at 500 microns (20 mils)			
	Shelf life	3 years.			
	Working life	30 minutes at 5-40°C (41-104°F), 65% RH.			
	Rain erosion	Belzona 5721 has been fully validated in accordance with DNV-RP-0573. Full Testing reports are available upon request.			
	Adhesion (pull-off)	GRP composite: 12 MPa (1,735 psi) at 20°C (68°F), cohesive failure of GRP composite.			
	Fatigue Resistance	When tested accordance with ISO 13003 with a strain range of 4,000 µ-strain, the combined Belzona 5711 and Belzona 5721 system applied to GRP composite showed no signs of failure following 2,000,000 cycles when tested at 23°C (73°F) and 250,000 cycles when tested at -30°C (-22°F).			
	Cyclic Aging (UV, Salt Spray and Low Temperature cycling)	When tested in accordance with ISO 12944-9, over a 25-week period, the combined Belzona 5711 and Belzona 5721 system when applied on GRP composite shows no significant signs of degradation.			

CURE TIMES	Temperature	5°C (41°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
	Time until touch dry (overcoatable)	30 - 45 mins				
	Hard Dry (Movement and light loading)	3 hours	3 hours	2 ½ hours	2 ½ hours	2 hours
	Time until full service	6 hours	6 hours	5 hours	5 hours	4 hours

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



COLD CURING



FAST RETURN TO SERVICE



EROSION RESISTANT



UV RESISTANT



SOLVENT FREE

Key Benefits:

- **Erosion resistant**

Erosion protection against rain and debris, specifically designed for leading edge protection.

- **Fast return to service**

Fast return to service at low ambient temperatures. Overcoatable in 30 mins, with full cure in 6 hours at 5°C (41°F).

- **Easy to use**

This solvent-free system is easy to mix and apply by brush, without the need for specialist tools.

- **Durable**

Outstanding adhesion to GRP (Glass Reinforced Plastic).

- **UV stable**

Excellent long-term protection against the effects of UV degradation.

- **Versatile**

Suitable for application on to similar types of equipment, including fan blades.

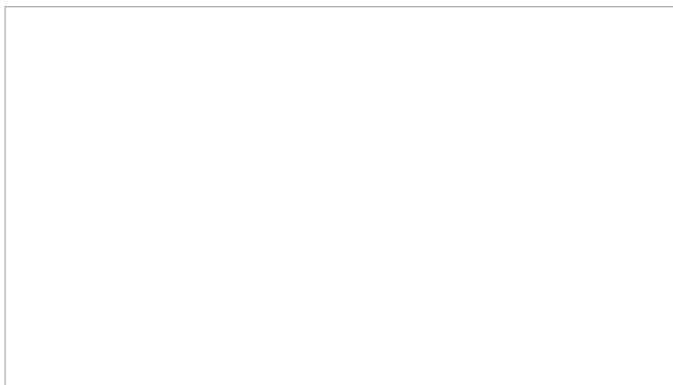


Belzona 5721 is available in two colours - White and Light Grey (RAL 7035)



For ease of mixing and application, Belzona 5721 can be supplied in a 2-component cartridge

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.