

# Erosion-Corrosion Resistant Coating for Efficiency Enhancement



# 1341N



Belzona 1341N (Supermetalgilde) is a two-component coating system designed to improve the efficiency of fluid handling equipment and to protect metals from the effects of erosion-corrosion.

This high performance coating is proven to reduce energy consumption, provide excellent chemical resistance and lower maintenance costs. Through its hydrophobic properties, Belzona 1341N can provide efficiency increases on new and refurbished equipment.



TECHNICAL DATA	Mixing ratio (base:solidifier)	3 : 2 by volume	2 : 1 by weight
	Working life	25 minutes at 25°C (77°F)	
	Shelf life	5 years	
	Dry heat resistance	200°C (392°F)	
	Adhesion (tensile shear )	Mild steel: 17.2 MPa (2,500 psi)	
	Compressive strength	47.6 MPa (6,900 psi) at 20°C (68°F) cure	
	Coverage rate	1.76 m <sup>2</sup> (18.9 ft <sup>2</sup> ) / kg	
	Volume capacity	695 cm <sup>3</sup> (42.4 in <sup>3</sup> ) / 1 kg	520 cm <sup>3</sup> (31.73 in <sup>3</sup> ) / 750 g
	Heat distortion temperature	44°C (111°F) at 20°C (68°F) cure	71°C (160°F) at 100°C (212°F) cure
Abrasion resistance	H10 - 52 mm <sup>3</sup> wet	CS17 - 6 mm <sup>3</sup> dry	

CURE TIMES	Temperature	10°C (50°F)	15°C (59°F)	20°C (68°F)	25°C (77°F)
	No loading or immersion	24 hours	12 hours	8 hours	7 hours
	Machining and/or light loading	48 hours	24 hours	16 hours	14 hours
	Full mechanical or thermal loading	14 days	7 days	3 days	2½ days
	Immersion in chemicals	21 days	10 days	7 days	6 days

\*Please visit the [product page](#) and consult the Product Specification Sheet (PSS) and Instructions for Use (IFU) for the latest technical data.



**ERROSION/CORROSION  
RESISTANT**



**CHEMICAL  
RESISTANT**



**EFFICIENCY  
ENHANCING**



**SOLVENT FREE**

## Key Benefits:

- **Erosion-corrosion resistance**

This coating offers outstanding erosion and corrosion resistance for long-term protection of equipment.

- **Hydrophobic properties**

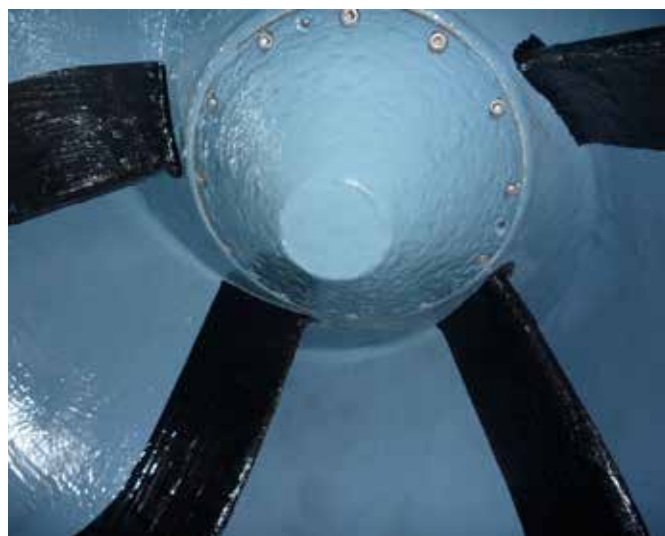
Belzona 1341N uses hydrophobic technology to reduce turbulent flow and improve fluid efficiency.

- **Chemical resistance**

Belzona 1341N is resistant to a variety of chemicals, including hydrocarbons and process chemicals.

- **Solvent free**

This solvent-free solution does not shrink when curing and improves application health and safety in confined spaces.



## Application Areas:

- **Enhancing pump efficiency**

This coating is designed to enhance the efficiency and performance of pump components.

- **Equipment under immersion**

Belzona 1341N can be used to protect equipment operating under immersion, including pipelines and turbine systems.

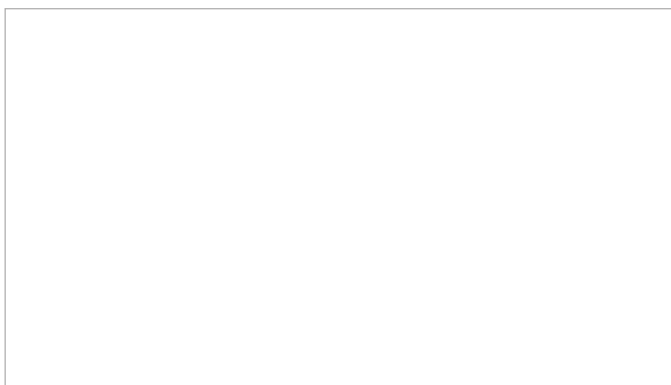
- **Leading edge protection**

Belzona 1341N has been proven successful as a coating for leading edge protection of blades in power generation and HVAC.

- **Contact with potable water**

This system is an approved coating which can be applied onto equipment in contact with potable water.

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.