

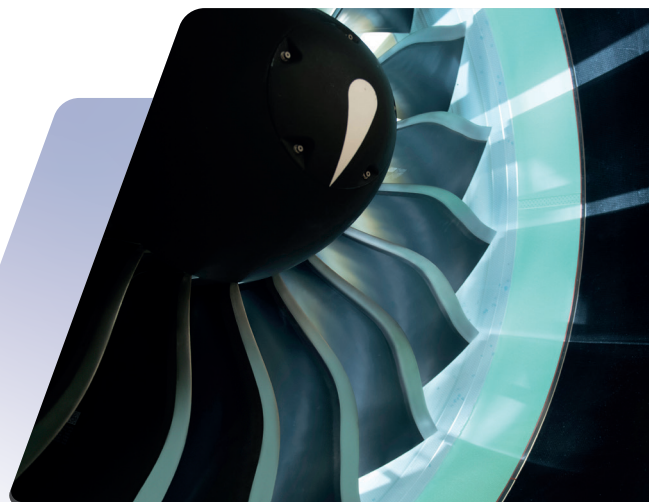
ER-100 Topcoat

Erosion resistant high solid topcoat

Based on the very latest polymer technologies, a combination of inherent flexibility and surface hardness enables the ER-100 high solid polyurethane topcoat to protect surfaces from the dual challenges of sand and rain erosion.

ER-100 is specifically designed to enhance the protection of engine components and other critical parts like leading edges and fan blades from erosion and the challenges posed by chemicals and ultraviolet (UV) light. It delivers proven performance even at low thicknesses.

Its compatibility with a wide range of AkzoNobel primers enable the topcoat to be used on metal/ composite surfaces. As a 2K topcoat it is also compatible with a wide range of technologies to simplify, automate and accelerate the application process.



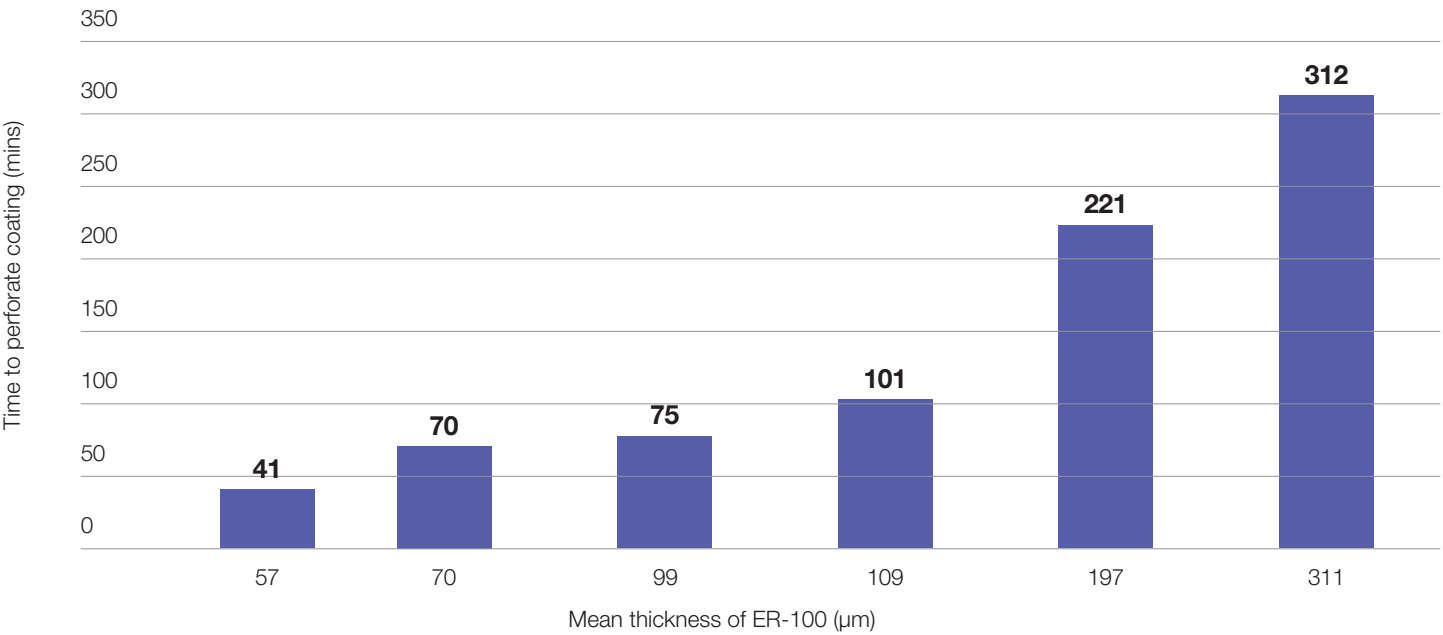
Quick facts

Color	Black and White
Gloss level	Matt (<5GU at 60°)
Recommended thickness	Between 60µm and 300µm dry
Pot life	2 hours at 23°C
Theoretical coverage	6.5m²/L for 80µm
Shelf life/storage	(At a temperature of 5-35°C and store in the original unopened containers) <ul style="list-style-type: none"> • 24 months for base • 18 months for hardener • 420g/L ready-to-use and undiluted

Features and benefits of the system

Feature	Benefit
High dry erosion resistance for sensitive parts	Delivers up to five times better performance than comparable products in terms of sand erosion
Dual rain and erosion protection	Protects against both rain and sand erosion in a single product, reducing the need and associated cost of additional materials
Versatile product able to be used at low and high thicknesses	Excellent performance even at low thicknesses reducing waste and energy in application
Simplified application	Compatible with multiple spray application technologies requiring no additional line investment
Faster curing process	Reduces curing times and energy costs and improves line efficiency at 60/80°C without the need for a drying cycle
Good UV and chemical resistance	Resistant to various chemicals including kerosene and de-icing liquid, as well as protecting against chips, scratches and damage from UV light
Optimized for automated process	2K/stable viscosity within potlife/ simple mixing ratio

Sand erosion performance (45° test)



ER-100 can be ordered direct from AkzoNobel – aero.cs.pamiers@akzonobel.com

Contact your local AkzoNobel representative to see how we can help you rethink your choice of coatings, or visit our website at: aerospace.akzonobel.com. Alternatively, e-mail us at: customer.service@akzonobel.com

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