

PRODUCT DESCRIPTION

A two component system consisting of polymers. Once fully cured, the system provides excellent protection from the effects of mechanical and chemical attack.

INTENDED USES

POLINTEK® Lining & Protection Plus for Metal has an advance technology :

1. Fast cure (accelerate)
2. Chemical resistance (dipping): H₂SO₄ 35%, HNO₃ 50%, NaOH 50%, NH₃ 50%, H₂S 50%, HCl 37% and EDC (1-Ethyl-3-(3-dimethylaminopropyl) carbodiimide variant concentrate.
3. Thermal resistance (induction) from -40 °C to 350 °C
4. General mechanical performance.
5. Anti-corrosion and molecular degradation.
6. Ultraviolet resistance.
7. Zero water absorption.
8. Single coat application.
9. Compatible to all metal classes.
10. Adhere within wet or oily application.
11. Hydrocarbon immersion resistance.
12. Flexibility.
13. Food Grade

PRACTICAL INFORMATION FOR POLINTEK® Lining & Protection Plus for Metal

Color	customize
Gloss level	N/A
Volume Solid	98 %
Thickness	1000 – 2000 microns
Coverage Area	1.3 kg for 1 m ² area
Method of Application	Plural component airless spray, airless spray

Drying Time

Over-coating Interval with self

Temperature	Gelling	Touch Dry	Hard Dry	Minimum	Maximum
25 ⁰ C (77 ⁰ F)	1 hour	2 hours	12 hours	2 hours	7 days
40 ⁰ C (104 ⁰ F)	0.5 hour	1 hour	6 hours	1.5 hours	5 days
Up to 350 ⁰ C (662 ⁰ F)	0.05 hour	0.1 hour	0.5 hours	0.1 hours	0.5 days

Note :

- *Sufficient coating film strength has developed to permit the handling and movement of coated steelwork. A shore D hardness is a recommended guideline to indicate suitability for return to service.*
- *If the maximum over-coating interval is exceeded*

REGULATORY DATA

See Material Safety Data Sheets (MSDS)