

Ply-Guard UR (Fast Set)

Technical Bulletin

Ply-Guard UR (Fast Set) is a fast set, fast gel time spray-applied, two-component Polyurea coating that is 100% solids and contains 0 VOCs.

Key Features

- Excellent Impact Resistance Even in Sub-Freezing Weather
- High-Abrasion Resistance for Use in Harsh Environments
- Durable Seamless, Monolithic Waterproof Membrane
- Material's Physical Properties Are Not Affected by UV Exposure

Application

Ply-Guard UR (Fast Set) adheres extremely well to properly prepared metal, wood, fiber glass, and various other metals surfaces. For optimal direct-to-steel application, Ply-Guard UR (Fast Set) requires a minimum SSPC-SP10 near white metal blast cleaning with a 3 ml angular profile.

Ply-Guard UR (Fast Set) should be applied through a two-component, high-pressure proportioning unit. Material and hoses should be heated to 150°F, and a minimal pressure of 2,200 psi.

Consult a Polyset Technical Representative regarding specific metal/steel surface preparation and priming requirements.

Product Data

Hardness, Shore D (D2240):	50
Tensile Strength, psi (D412):	3200
100% Modulus, psi (D412):	1500
200% Modulus, psi (D412):	1800
300% Modulus, psi (D412):	2350
Tear Strength, DIE-C pli (D624):	480
Ultimate Elongation, % (D412):	360
Abrasion Resistance, mg loss (D4060): CS17 Wheels, 1000 g, 1000 cycles	20

Application Properties

Gel Time, sec:	5
Tack Free Time, sec:	20
Recoat Window, mins :	25

Shelf Life: Twelve months in original, unopened containers

Packaging: Available in 5 gallon pails, 55 gallon drums, and 275 gallon totes

Storage: Store between 60–90°F in sealed containers

For Professional Use Only

Ply-Guard UR (Fast Set) is for industrial use only. Avoid contact with eyes and skin, and do not inhale or ingest. When spraying, wear a respirator or a fresh-air hood. Spraying indoors requires forced ventilation. Be sure to read the Safety Data Sheet in its entirety.

**FOR ADDITIONAL APPLICATION & EQUIPMENT
RECOMMENDATIONS, PLEASE CONSULT YOUR POLYSET
TECHNICAL REPRESENTATIVE.**

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