

VFI®-206 60 D POLYUREA HYBRID COATING

VFI-206 60 D Polyurea Hybrid Coating is a fast setting spray coating that can be applied in high builds to achieve extended abrasion resistance. With excellent tensile strength and elongation, the two-part polyurea hybrid protects horizontal, vertical, and overhead surfaces from impact and chemical corrosion. VFI-206 is an efficient, highly durable coating that is easy to spray and best used for industrial applications to create a structure over surfaces that need protection.

- Protects against chemical corrosion and resists repeated wear to maintain structure
- High tensile and tear strength increase the coating's durability and longevity
- 60 D hardness enables surfaces to resist impact, abrasion, scratches, etc.
- Fast setting for spraying on horizontal, vertical, and overhead surfaces without dripping
- Excellent hybrid spraying characteristics allows for easy spraying and application
- 100% solids content means no VOCs, and it retains 100% of its thickness after curing

PHYSICAL PROPERTIES	TEST RESULTS
Hardness Shore D	57
Tensile Strength	3,000 psi
Elongation	250%
Tear Strength	480 pli
Cold Temperature Flexibility	Pass
Solid Material Density	67.31 pcf
Water Absorption	1.70%
Abrasion Resistance	140 mg loss
Permanent Set	45%
Adhesion Strength Prepared Steel/Prepared Concrete	750 lbs/in ²

LIQUID PROPERTIES	TEST RESULTS
Solids by Volume	100%
Liquid Density A Side	9.33 lbs/gal
Liquid Density B Side	8.62 lbs/gal
Mixed Liquid Density	9.00 lbs/gal
Ratio by Volume (A:B)	1A:1B
Viscosity A Side	538 cps
Viscosity B Side	806 cps
Gel Time	5 seconds
Tack Free	40 seconds
Recoat Time	15 minutes
Place Into Service	24 hours
Full Cure	3 days
VOC	0

MANUFACTURER OF HIGH PERFORMANCE POLYMERS

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APPLICATION REQUIREMENTS

Apply the coating at a minimum of 30 mil passes. If additional coats are needed, they must be applied within the 15-minute recoat window. VFI recommends applying a UV-stable topcoat once VFI-206 has cured for complete UV stability. Coated surfaces can be placed into service after a minimum cure of 24 hours.

STORAGE/SHELF LIFE

Store between 60°F - 90°F in a clean, dry building. The shelf life of unopened containers is 12 months after the date of manufacture. Once opened, it should be used immediately. If you are storing after opening, the container must be nitrogen purged.

MIXING

Before spraying, mix the Poly (B side) until uniform and bring both A and B side materials to a minimum temperature of 65°F.

SURFACE PREPARATION

All surfaces must be clean, dry, and free of dirt, dust, and debris to ensure quality adhesion. A pressure washer should be used to remove grease and oil on hard-to-clean surfaces. Treat mildew, fungus, and algae spots with a concentrated chlorine solution. Loose paint, rust, and scale can be removed by sandblasting or grinding. Make any repairs to the surface to ensure the coating performs to the desired effect. The surface must be completely dry to prevent foaming and improper cure. Concrete surfaces must be aged for a minimum of 28 days before application since the coating is sensitive to moisture.

EQUIPMENT

Use a plural component high-pressure spray rig to apply the coating. The spray equipment should be capable of providing 2,500 psi of constant pressure and temperatures between 135°F-150°F.

CLEANUP

VFI recommends using xylene or MEK to clean application equipment. When flushing out spray lines, we recommend the VFI-8005 Pump Flush to remove all material from the hoses.

PRECAUTIONS

VFI-206 contains isocyanate that irritates the skin and is toxic if inhaled. Avoid prolonged breathing of vapors and repeated skin contact. The material must only be applied to dry surfaces as moisture triggers the curing reaction and could affect the coating's physical properties and appearance. Do not thin or add foreign material to the product. Use only with adequate ventilation. See Safety Data Sheet for complete safety information.