

QuickDry45 Series (200-QD)

Quick-Dry High-Gloss Chain Stopped Alkyd DTM



Highland QuickDry45 Series is a specially modified alkyd designed to provide the premium aesthetics of a high-gloss topcoat with the corrosion resistance of an industrial primer in a direct-to-metal application. This unique coating is ideal for OEM and industrial environments and easily outperforms competitor products in the same category. QuickDry45 Series is a fantastic option for jobs requiring quick turnaround time and one coat coverage. A generous 4-6 mils DFT is dry in just 45 minutes. This capability provides all the benefits of a two-coat system in one easy coat dramatically reducing application costs while increasing throughput.

Tech Specs

Heat Resistance:	200°F Constant with spikes to 300°F - Color will shift above 200°F
Vehicle Type:	High Solids Chain Stopped Alkyd
Reducer:	#100 for Applications >80°F #120 for Applications <80°F
Mix Ratio:	Single Package
Pot Life:	N/A
Volume Solids:	47%
Theoretical Coverage:	753ft ² /gal. @ 1 mil DFT
VOC:	3.5 lbs/gal (420 g/l)
Flash Point:	-4°F (Lowest Flashing Component)
Dry Film Thickness:	2-6 mils DFT
Wet Film Thickness:	4.3-12.7 mils WFT

Dry-time:	6 mils DFT @ 77°F
To Touch:	45 Minutes
To Recoat:	N/A
To Ship:	12 Hours
Cure Requirements:	Air Dry
Hot Application:	N/A
Shelf Life:	2 Years Minimum
Finish:	High-Gloss (95+)
Color:	Standard & Custom Colors
Packaging:	1, 5, & 55 gallon containers
Storage Temperature:	40°F - 100°F
Application Temp:	
Ambient:	45°F Minimum
Substrate:	40°F - 100°F

Surface Preparation

All surfaces should be clean, dry and free of all foreign contaminants.

A SSPC-SP1 Solvent Cleaning with Highland 901 Cleaning Solvent is recommended before blasting or other cleaning method.

Carbon Steel:

Best: A SSPC-SP 10 Near White Metal Blast to achieve a low blast profile of 1.0-1.5 mils is recommended

Good: A SSPC-SP6 Commercial Blast will provide good results in most situations.

Acceptable: While abrasive blast cleaning is preferred, when it is not an option, Hand or Power Tool Cleaning per SSPC-SP3 may be used and will provide good results.

Acceptable: While one of the above cleaning methods is preferred, a solvent wipe per SSPC-SP1 may be used and will provide good results. QuickDry45 Series may be applied over clean non-blasted steel.

Stainless Steel:

Surface must be clean and dry. Remove all oil, grease, soil, drawing and cutting compounds and other foreign matter by solvent cleaning per SSPC-SP1.

Mixing & Application

Mixing: Highland QuickDry45 needs to be thoroughly mixed using mechanical agitation. It is ready to spray after proper mixing.

Reduction: Reduction is not required, if desired, reduce by 0% - 10% with Highland #100 or #120 reducer.

To ensure optimal performance, apply according to recommendations below.

Airless Application

Airless Gun: Titan 740 Impact or equivalent
Pump Pressure: Apply at 1800 – 3100 PSI
Manifold Filter: 60 Mesh
Gun Filter: 60 Mesh

Hose: 1/4 inch ID
Gun: LX-8011 or equivalent
Tip Range: .013 - .021
Brush or Roller: Touchup only

Typical Systems

DTM Services: Apply 1 coat of QuickDry45 Series at 2-6 mils DFT (4.3-12.7 mils WFT) in a single uniform coat.

Safety Information

- Use normal precautions such as gloves, facemasks and barrier creams.
- Adequate ventilation must be maintained. In confined areas, applicators must wear constant flow airline respirators.
- If product comes into contact with skin, wash thoroughly with lukewarm water or diluted Boric Acid, and obtain immediate medical attention.
- This product contains FLAMMABLE materials. Keep away from sparks and open flames. Observe NO SMOKING regulations.
- All electrical equipment and installations should conform to NEC regulations. In areas where explosion hazards exist, applicators should be required to use nonferrous tools, and to wear conductive, non sparking shoes.
- Observe low flash regulations.
- Refer to Safety Data Sheet (SDS) for complete safety instruction