



Highland International, Inc.



Technical Data Sheet

53 Series "Fast Dry" Acrylic DTM

53 Series is an extremely fast drying single package Direct to Metal Modified Acrylic that has been specifically formulated for use at OEMs where quick handling of painted equipment is needed to speed the production process. It may be applied over marginally prepared surfaces (light rust & mil scale). 53 Series will exhibit excellent durability, color retention, and corrosion protection.

Vehicle Type:	Modified Acrylic	Dry-Time:	Normal Application	Hot Application
Pigmentation:	Lead Free	To Touch	30 Minutes	N/A
Reducers:	Not normally required	Tack Free	1 Hour	N/A
If desired:	Highland #890 Reducer	To Recoat	1 Hour	N/A
Mixing Ratio:	Single Package	To Handle	1-2 Hours	N/A
Pot Life:	N/A	Put in Service	12 hours	N/A
Volume Solids:	43%	V.O.C.:	3.5 lbs. per gallon (419 grams/liter)	
Theoretical Coverage:	688 Sq. Ft. per Gallon @ 1 mil DFT	Shelf Life:	1 Year Minimum	
Flash Point:	-4°F (lowest flashing component)	Finish:	Flat	
Recommended DFT:	3-4 Mils	Color:	Black	
		Weight:	10 Lbs. per Gallon	

Preparation:

Minimum surface preparation should be in accordance with SSPC-SP6 Commercial Blast cleaning. When blast cleaning is not an option, SSPC-SP3 Powertool or SSPC-SP2 Wire Brushing is acceptable. Also, water jetting in accordance with SSPC-SP12 is acceptable. All surfaces to be painted should be dry and free of all foreign contaminants.

Application Requirements: (1) Stir product thoroughly prior to use. (2) Apply at a rate of 172-229 square feet per gallon to obtain the recommended film thickness.

Method of Application:

Conventional Spray

Airless Spray:

Gun:	DeVilbiss MBC-510	Gun:	Graco 205-591
Fluid Tip:	E	Pump:	30:1
Air Cap:	704	Tip Range:	3.011 - 4.015 @ 1800 psi minimum
Atomizing Pressure:	60 psi	Hose:	3/8 inch ID
Pot Pressure:	20 psi		
Hose:	1/2 inch ID		
Brush or Roller:	Apply in multiple coats to achieve recommended DFT.		
Clean Up:	After use, clean all equipment with lacquer thinner.		

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

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