

# High Build Systems



## Typical Applications:

Warehouses  
Garage Floors  
Manufacturing Areas  
Hangars  
Retail  
Pulp & Paper  
Automotive Industry  
Animal Care Areas  
Industrial Areas  
Commercial Areas  
Anywhere a solid color  
concrete resurfacer is  
desired

High-Build (20 mils or greater) coating systems are the system of choice for floors that require shot blasting to achieve a suitable profile. High-build epoxies give the necessary coverage to hide track marks and to give the floor a solid profile.

High-Build systems may also be used in hundreds of other applications which require a long-lasting, easy-to-clean floor with high compressive strength and impact resistance.

NPI offers a vast array of primers, build coats, and topcoats that will fit your needs for almost any application.

**Contact us today for more  
information...800.831.5600.**

**NPI**

National Polymers Inc.

# High Build Systems

## TECHNICAL INFORMATION

Values are typical and not specifications. For more detailed information see our technical data sheets for each product.

Product	NP Code	Use (Coat)	Solids by weight (%)	Chemical Resistance	UV Stability	Wet Film Thickness	Coverage per Gallon
Water Based Epoxy	015	Primer	Color-53 Clear-45	Good	Good	5-7 mils	229 to 320 sq. ft.
Solvent Based Epoxy	144	Primer	Color-65 Clear- 57	Good	Good	5-6 mils	267 to 320 sq. ft.
High Build Primer	100lvp	Primer	93	Good	Poor	6-12 mils	133 to 267 sq. ft.
High Build Quick Set Epoxy Color Coat	181	Body Top	100	Poor	Poor	12-30 mils	53 to 130 sq. ft.
100% Solids Epoxy	707	Body Top	100	Good	Good	12-30 mils	53 to 130 sq. ft.
High Performance Urethane	321	Top	Color- 60 Clear- 56	Excellent	Excellent	3-5 mils	320 to 500 sq. ft.
VOC Compliant Urethane	322	Top	Color- 73 Clear- 64	Excellent	Excellent	3-5 mils	320 to 500 sq. ft.
High Solids Low Odor High Wear Urethane	358	Top	93	Excellent	Excellent	3.2 mils	500 sq. ft.

## CURE SCHEDULE

(Cure times based on application temperature of 70 degrees F.)

	Pot Life	Recoat/ Topcoat	Light Foot Traffic	Full Cure
Water Based Epoxy- 015	1 to 1.5 hours	7 to 10 hours	16 to 24 hours	2 to 7 days
Solvent Based Epoxy- 144	3 to 5 hours	4 to 6 hours	16 to 24 hours	2 to 7 days
High Solids Epoxy Primer- 100LVP	40 to 55 minutes	10 to 14 hours	12 to 16 hours	2 to 7 days
High Build Quickset Epoxy Color Coat- 181	16 to 26 minutes	6 to 8 hours	6 to 12 hours	2 to 5 days
100% Solids Epoxy- 707	30 to 50 minutes	8 to 12 hours	12 to 14 hours	2 to 7 days
High Performance Urethane 321/322	2 to 5 hours	4 to 8 hours	14 to 24 hours	3 to 5 days
High Solids Low Odor High Wear Urethane 358	1 to 2 hours	6 to 10 hours	14 to 24 hours	3 to 5 days

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