

High Build Systems



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.

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Typical Uses:
Warehouses
Manufacturing
Garage Floors
Hangars
Pulp & Paper
Retail

High Build Systems

TECHNICAL INFORMATION

**Values are typical and not specifications*

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

CURE SCHEDULE

Cure times based on application temperature of 70°

	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	40-55 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