

Thin Build Systems



Thin Build Systems offer industrial performance with an aesthetic appeal. With a variety of colors as well as clears, these roller applied coatings offer a diversified portfolio of products ideal for hundreds of applications to fulfill all of your needs.

Typical Applications:

Garage Floors
Hangars
Warehouses
Retail
Manufacturing
Mechanical Rooms
And Much More!

Thin Build Systems increase light reflectivity and decrease housekeeping by eliminating concrete porosity and dusting. Many of our thin-build topcoats provide excellent chemical resistance, UV stability, and wear characteristics.

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



National Polymers Inc.

Thin 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 Stand alone	Colors- 53 Clear- 45	Good	Good	5-7 mils	229 to 320 sq. ft.
Solvent Based Epoxy (Pigmented)	144	Primer Stand alone	65	Good	Good	5-6 mils	267 to 320 sq. ft.
High Solids Epoxy Primer	100lvp	Primer	93	Good	Poor	6-12 mils	133 to 267 sq. ft.
High Build Epoxy Primer	707lvp	Primer Stand alone	93	Good	Good	6-12 mils	133 to 267 sq. ft.
High Performance Urethane	321 322	Top	321- 56 322- 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.

*358 meets all nationwide VOC requirements including CA.

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 hrs.	7 to 10 hrs.	16 to 24 hrs.	2 to 7 days
Solvent Based Epoxy/144	3 to 5 hrs.	4 to 6 hrs.	16 to 24 hrs.	2 to 7 days
High Solids Epoxy Primer/100lvp	40 to 55 mins.	10 to 14 hrs.	12 to 16 hrs.	2 to 7 days
High Build Epoxy Primer/707lvp	35 to 55 mins.	10 to 14 hrs.	12 to 16 hrs.	2 to 7 days
High Performance Urethane 321/322	2 to 5 hrs.	4 to 8 hrs.	14 to 24 hrs.	3 to 5 days
High Solids High Wear Urethane/358	1 to 2 hrs.	6 to 10 hrs.	14 to 24 hrs.	3 to 5 days

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