



Thin Build Systems

Garage Floors

Hangars

Warehouses

Retail

Manufacturing

Mechanical Rooms



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.

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.

National Polymers Inc. • 800-831-5600 • www.nationalpolymers.com

Thin Build Systems

TECHNICAL INFORMATION

**Values are typical and not specifications*

Product Name	Product Code	Used as Primer	Used as Stand alone	Used as Body Coat	Used as Topcoat	Solids (%)	Chemical Resistance	UV Stability	Wet Film Thickness	Coverage Per Gallon
Water Based Epoxy	015	•	•			Colors-53 Clear-45	Good	Good	5-7 mils	229 to 320 sq. ft.
Solvent Based Epoxy	144	•	•			Colors-65 Clear-57	Good	Good	5-6 mils	267 to 320 sq. ft.
High Solids Epoxy Primer	100lvp	•				93	Good	Poor	6-12 mils	133 to 267 sq. ft.
High Performance Urethane	321				•	Colors-60 Clear-56	Excellent	Excellent	3-5 mils	320 to 500 sq. ft.
High Performance Urethane	322				•	Colors-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 to 55 minutes	10 to 14 hours	12 to 16 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