



Flowcoat ESD Nano (25 - 40 mils)

A chemical resistant seamless epoxy floor coating system designed to dissipate electrostatic charge. Utilizing next generation Carbon Nanotube technology.



Electrostatic Dissipative:

Electrical resistance to ground $<1 \times 10^9$ ohms.



ANSI S20.20-2014 Compliant:

Meets parameters derived from standard test methods for flooring outlined in S20.20.



Low Body Voltage Values:

Minimizes the charge created by movement of people and equipment.



Fire Safe:

Minimizes fire risk from static discharge in areas where flammable materials are handled.



Seamless & Easily Cleaned:

Seamless installation ensures dirt and dust are swiftly and easily cleaned away.

Standard Colors:



ESD105 Grey



ESD170 Dark Grey



ESD185 Charcoal



ESD425 Toffee



ESD435 Tan



ESD440 Khaki



ESD480 Beige



ESD550 Green



ESD600 Slate Blue



ESD650 Light Blue



ESD980 Red

Finished appearance may have a light variable orange peel depending on thickness of top coat.

The applied colors may differ from the examples shown.
For a full color chart and samples, contact your local Key Resin Company office.

COMPRESSIVE STRENGTH:

ASTM C 579	$>11,600$ psi
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FLEXURAL STRENGTH:

ASTM C 580	8,700 psi
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ELECTRICAL RESISTANCE:

ANSI ESD STM 97.1	$<1.0 \times 10^9$ ohms
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BODY VOLTAGE GENERATION:

IEC 61340-4-5 and ANSI/ESD STM 97.1/97.2	$<100V$
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ABRASION RESISTANCE:

ASTM D 4060 CS 17 Wheel, 1000 cycles	0.06g loss
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SLIP RESISTANCE:

ASTM D 2047	>0.6 Passes ADA recommendations
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FIRE RESISTANCE:

EN 13501-1	B - s1
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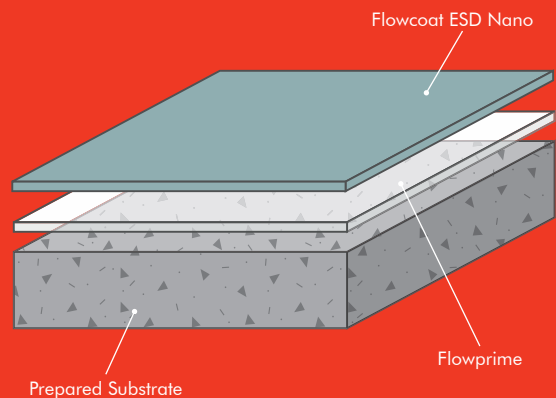
VOC:	<50 g/l
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SPEED OF CURE:	50°F	70°F	90°F
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Light Foot Traffic	24-36 hrs	12-16 hrs	6-10 hrs
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Full Traffic	3-5 days	36-48 hrs	18-24 hrs
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Full Chemical Cure	10-14 days	5-7 days	3-5 days
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*To be used in conjunction with suitable ESD footwear.

Products Included In This System

Unit:	3 or 15 gallons (factory tinted)
Primer:	Flowprime at 175 - 225 sq ft/gal
Topcoat:	Flowcoat ESD Nano at 50-80 sq ft/gal

Coverages listed are theoretical, coverages may vary based on substrate and site variations. For optional slip resistant finish please consult our Technical Advisors.

Installation

Installation should be carried out by a Key Resin Company preferred contractor with a documented quality assurance note. Obtain details of our preferred contractor network from our customer service team or by enquiring through our website. Detailed application instructions are also available upon request.

Substrate Requirements

Concrete or screed substrate should have a minimum of 3,000 psi compressive strength, free from laitance, dust and other contamination. The substrate should be dry to ASTM requirements and free from excessive moisture vapor transmission and moisture content.

Technical Profile

The figures and test results shown overleaf are typical properties achieved in laboratory tests at 75°F and at 50% Relative Humidity.

Aftercare, Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber / drier with a mildly alkaline detergent.

Environmental Health & Safety

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Key Resin Company staff and fully trained application teams.

Warranty

Key Resin Company products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.

Disclaimer

Any recommendation or suggestion relating to the use of products manufactured by Key Resin Company whether in its technical literature or in response to a specific inquiry, is based upon data believed to be reliable, however the products and information are intended for use by applicators having requisite skill and know-how in the industry and therefore it is for the applicator to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the applicator has done so at its sole discretion and risk.

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FlowResin
Manufactured by Key Resin
4050 Clough Woods Dr, Batavia, OH 45103
Toll Free: 1 (888) 943-4532
Email: sales@keyresin.com



www.flowresinamericas.com