

Technical Data Product Information

CS 2025ESD
100% Solids ESD Static Control Epoxy Coating

Description

CS 2025ESD is a pigmented 100% solids semi-gloss epoxy coating designed to provide electrostatic control properties to a variety of CornerStone flooring systems.

The CS 2025ESD will provide electrical resistance in the range of 10⁶ to 10⁹ ohms.

Colors

Available in a range of gray colors.

Limitations

- Where floor temperatures are below 65°F or above 80°F during application contact CornerStone’s Technical Department.
- For on-grade installations that do not have a vapor barrier under the slab or in areas where high water table or hydrostatic pressure conditions are present.
- Areas subject to strong chemicals.
- On a structurally unsound substrate or impossible to clean substrates.
- Avoid exposure from sunlight or other high UV output lighting.

ADVANTAGES	APPLICATIONS
• Static Control	• Semi Conductor/Electronic Industry
• Cleanability	• Military Facilities
• Meets ANSI/ESD S7.1 Standards	• Manufacturing Facilities
• Excellent Dust Eliminator	• Clean Rooms & Computer Areas

Installation Procedures

CS 2025ESD APPLICATION

1. Apply topcoat over specified CornerStone flooring system. Apply CS 5300EX ESD primer before applying CS 2025ESD.
2. Mixing of CS 2025ESD is best accomplished with jiffy blade and electric drill.
3. Apply CS 2025ESD with a squeegee. Immediately back roll with 1/4” nap roller. Apply material at 5 mils. Allow to cure.

APPLICATION	COMPONENTS	MIX RATIO
Primer	CS5300EXESD	Per Label
Topcoat	CS2525ESD	Per Label

Chemical Resistance

Refer to the Chemical Resistance Guide for specific chemical resistance information or contact CornerStone’s Technical Department.

Cure Schedule

At an ambient temperature above 70°F, CS 2025ESD can support foot traffic within 12 hours, full usage after 24 hours.

Maintenance

Regular cleaning and maintenance will prolong the life of all polymer flooring coatings and enhance their appearance.

Safety

Avoid personal exposure. Refer to MSDS for additional safety information.

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Test Data

PROPERTIES	TYPICAL RESULTS	TEST METHOD
Compressive Strength	13,800 psi	ASTM D-695
Tensile Strength	9,773 psi / 12,000 psi	ASTM D-638 / ASTM C-580
Flexural Strength	10,200 psi	ASTM D-790
Bond Strength	>400 psi (100% concrete failure)	ASTM D-4541
Adhesive Strength	300 psi (concrete failure)	ASTM C-882
Hardness	86	ASTM D-2240 Shore D
Flexural Modulus of Elasticity	5.0X10 ⁵ psi	ASTM C-580
Impact Resistance	passes	MIL D-3134
Fire Resistance	Fire Retardant	MIL D-3134
Abrasion Resistance	60-80 mg loss; CS-17 Wheel, 1,000 cycles	ASTM D-4060
Thermal Coefficient of Linear Expansion	2.5x10 ⁻⁵ in/in °C	ASTM C-531
Water Absorption	nil	ASTM D-3134
Oil Absorption	nil	ASTM D-3134
Shear Bond Strength	311 psi (concrete fails before loss of bond)	ACI 403
Surface Resistance	10 ⁶ - 10 ⁹ ohms	ANSI/ESD S7.1