

Technical Data Product Information

CS 2025
100% Solids Epoxy Coating

Description

CS 2025 is a pigmented 100% solids gloss epoxy coating. CS 2025 produces a smooth, non-porous surface with high light reflectivity, which increases energy savings. For maximum impact, wear and skid resistance, selected aggregate may be broadcast into the coating.

Color

Color should be selected from the standard CornerStone Color Chart available online at www.cornerstoneflooring.com. Custom colors available at an additional charge.

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
• Light Reflective Quality for Energy Savings	• Food Processing Facilities
• Excellent Dust Eliminator	• Manufacturing Facilities
• Impact Resistant	• Pharmaceutical & Biotech Facilities
• Chemical Resistant	• Aircraft Hangers
• Abrasion Resistant	• Production Areas
• Skid Resistant with Aggregate	• Warehouses
• Cleanability	• Traffic Aisle Ways

Installation Procedures

CS 2025 APPLICATION

1. Apply topcoat over specified CornerStone flooring system. A primer is required if applied as a stand alone coating.
2. Mixing of CS 2025 is best accomplished with jiffy blade and electronic drill.
3. Apply CS 2025 with a squeegee. Immediately back roll with 1/4" nap roller. Apply material at 80-150 s.f. per gallon.
4. Broadcast optional texture.
5. Apply second coat of CS 2025 with squeegee. Immediately back roll with a 1/4" nap roller. Apply material at 80-150 s.f. per gallon.
6. Apply selected finish coat if desired.

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 2025 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.

APPLICATION	COMPONENTS	MIX RATIO
Primer	As Specified	Per Label
Topcoat	CS2025A/2200B	Per Label

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Test Data

PROPERTIES	TYPICAL RESULTS	TEST METHOD
Compressive Strength	13,800 psi	ASTM D-695
Tensile Strength	9,773 psi	ASTM D-638
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
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
Heat Resistance	140°F to 200°F	
Slip Resistance	0.6-1.29	MIL D-3134
Water Absorption	nil	MIL D-3134
Oil Absorption	nil	MIL D-3134
Elongation	200%	ASTM C-580
Shear Bond Strength	311 psi (concrete fails before loss of bond)	ACI 403
Moisture Vapor Transmission	0.39 perms	ASTM E-96