

Technical Data Product Information

CS 5300EX
Epoxy Concrete & Steel Primer

Description

CS 5300EX is a unique primer containing high performance curing agents, which provide superior adhesion, flexural, and tensile strengths as compared to competitive polyamide primers. Additional enhanced performance properties include resistance to amine blush at low temperatures and no required induction time. **CS 5300EX** offers excellent adhesion and corrosion protection to steel and concrete surfaces.

ADVANTAGES	APPLICATIONS
• Excellent Adhesion to Concrete & Steel	• General Service
• Moisture Insensitive	• Used in Conjunction with Chemical Resistant Coatings
• Penetrates & Seals Concrete Pores	• Damp, Cool Concrete Surfaces
• Cures at Temperatures as Low as 40 °F	
• Quick Turn Around Time	
• CornerStone's Highest Performance Primer	

Limitations

- Where floor temperatures are below 50°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.
- On a structurally unsound substrate or impossible to clean substrates.

Substrate Preparation

Concrete: Prepare surface by sand blasting, shot blasting or other mechanical means until a slight texture is evident. Remove all excess dust, curing agents and contaminants. Surface must be free of oils, water and chemicals.

Steel: Prepare surface with a "white metal" abrasive blasé with an anchor profile of 2-4mils. For splash spillage exposure a "near white", SP-10-63 or NACE No. 2 is required.

Installation Procedures

Mixing of CS 5300EX is best accomplished with a Jiffy blade and electric drill.

CONCRETE APPLICATION

1. Apply with squeegee at a rate of 225-250 s.f. per gallon. Back roll with 1/4" nap roller
2. Apply CornerStone Flooring System while primer is still tacky and wet. For coatings application allow 6-12 hour cure time at room temperature.

STEEL APPLICATION

1. Apply within eight hours of the blasting operations to protect the blasted surface from rusting.
2. Roll or spray.
3. Work quickly, due to the short pot life of the material.
4. Primed surfaces should be recoated within 48 hours.
5. For longer periods, wipe the surface with xylene until surface becomes tacky. If surface becomes hard sand-blasting is required.

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 75°F, allow 6 hour cure.

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.