

Technical Data Product Information

**CS DEK
Waterproof Membrane**

Description

CS DEK Membrane Waterproofing is a trowel applied thin layer proprietary fortified latex consisting of composite material reinforced with specially treated fabric. The total thickness is approximately 3/32". This membrane is designed to be used interlaminarily in combination with CS 3000, CS 4000 and CS 5000 floor systems when positive waterproofing is required.

Colors

Available in neutral and tan.

Limitations

- Where floor temperatures are below 50°F* or above 80°F during application contact CornerStone's Technical Department. *With addition of accelerator kit.
- 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 to sunlight. CornerStone top coat Urethane is recommended for prolonged exposure to sunlight or high intensity UV light sources.

ADVANTAGES	APPLICATIONS
● Seamless Waterproofing	● Food Processing Facilities
● Neoprene Latex Composition	● Beverage Plants
● Fabric Reinforcement	● Traffic Aisle Ways
● Fire Resistant	● Loading Docks
● Impact & Abrasion Resistant	● Manufacturing Facilities

Installation Procedures

CS DEK APPLICATION

1. Apply CS DEK bond coat at a rate of 200-250 s.f. per gallon.
2. Apply CornerStone CS DEK membrane with reinforcing fabric.
3. Leave coarse finish for thick surfacings subsequently applied.
4. For smooth surface, usually thinner coating apply Grout Coat.
5. Contact CornerStone's Technical Department for variations in thickness and recommendations about job conditions, fixtures and drains.

Cure Schedule

At an ambient temperature above 70°F, CS DEK can support foot traffic within 8 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	Emulsion/Lite Latex Compo	5-Gallon Unit-1000 sq.ft/ 50-Pound Bag-300 sq.ft
Body Coat	Neoprene/Type M Fiberglass	5-Gallon Unit-400sq.ft/ Roll (700 sq.ft)
Grout Coat	Neoprene	5-Gallon Unit-400sq.ft

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Test Data

PROPERTIES	TYPICAL RESULTS	TEST METHOD
Tensile Strength	925 psi	ASTM C-307
Flexural Strength	800 psi	ASTM D-790
Flexural Modulus of Elasticity	7.2x10 ⁻⁵ psi	ASTM C-580
Fire Resistance	Fire retardant	ASTM D3134
Thermal Coefficient of Linear Expansion	6.65x10 ⁻⁶ in./in. F (75-155 F)	ASTM C-531
Resistance to Elevated Temperatures	No flow or softening	MIL D-3134
Water Absorption	0.90% @ 77°F / 3.98% @ 160°F	ASTM D-3134
Elongation	535%	ASTM D-751
Moisture Vapor Permeability	nil	ASTM D-1653
Water Proofness	Drexel University Engineering Lab. Sample 8" diameter subject to 50 lbs. per inch water pressure for 60 minutes. Water forced through was NIL, expressed in grams.	
Weight	0.45#/sq. @ 90 mils	