



## TECHNICAL DATA SHEET CFS-MOISTURE VAPOR BARRIER

**PRODUCT DESCRIPTION:** CFS-Moisture Vapor Barrier is a two component 100% solids epoxy seal coat that can help control moisture vapor emission rates up to 20 lb/24hr/1000 square feet, prior to application of Vinyl sheets, Tiles, Cementitious overlays, Terrazzo, Wood veneers, Carpet or polymeric coating systems. The product meets the ASTM F3010 product requirements for vapor permeance at the recommended thickness.

**RECOMMENDED FOR:** Recommended for indoor horizontal concrete.

<p><b>SOLIDS BY WEIGHT:</b> 100% (+/- 1%) <b>SOLIDS BY VOLUME:</b> 100% (+/- 1%) <b>VOLATILE ORGANIC CONTENT:</b> 0 <b>COLORS AVAILABLE:</b> Clear- gardner color 1-3 <b>RECOMMENDED FILM THICKNESS:</b> 17 mils <b>COVERAGE PER GALLON:</b> 94.4 square feet per gallon @ 17 mils <b>PACKAGING INFORMATION:</b> 3 gallon, 15 gallon <b>MIX RATIO:</b> 9.25 pounds (1 gallon) part A to 4.15 pounds (0.50 gallons) part B (volumes approx.) <b>SHELF LIFE:</b> 1 year in unopened containers <b>ADHESION:</b> 350 psi @ elcometer (concrete failure, no delamination) <b>VISCOSITY:</b> Mixed= 500-1000 cps (typical)</p>	<p><b>DOT CLASSIFICATIONS:</b> Part A “not regulated” Part B “CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII” <b>HARDNESS:</b> Shore D= 75-80 <b>CURE SCHEDULE: (70 DEGREES F)</b> Pot life (150 gram mass) 28-38 minutes Tack free (dry to touch) 6-10 hours Recoat or topcoat 12-16 hours Full cure (heavy traffic) 3-7 days <b>APPLICATION TEMPERATURE:</b> 60-90 degrees F with relative humidity below 90%. <b>PRIMER:</b> None Recommended <b>TOPCOAT:</b> Various topcoat products and systems can be used.</p>
<p style="text-align: center;"><b>LIMITATIONS:</b></p> <ul style="list-style-type: none"><li>*This product is not UV color stable.</li><li>*Substrate temperatures must be 5°F above dew point.</li><li>*For best results, apply with a high quality roller.</li><li>*All new concrete must be cured for at least 10 days prior to application with a minimum compressive strength of 3,500 psi and a minimum tensile strength of 200 psi.</li><li>*Testing must be performed to confirm a moisture vapor emission rate below 20 lb/24hr/1000 ft<sup>2</sup> per ASTM F1869 or between 75% and 95% for ASTM F2170.</li><li>*Surface must be durable, clean, free of laitance with a surface profile minimum of CSP3 as per the International Concrete Repair Institute.</li><li>*Do not expose this product to water until fully cured.</li><li>*Product is not suitable for preventing hydrostatic or osmotic water conditions.</li><li>*Manufacturer is not responsible for entrapped moisture and/or water underneath applied coatings with a low rate of water vapor transmission which can deteriorate concrete resulting in a cohesive failure within the concrete Surface.</li><li>*Product will not prevent failures from insufficient surface preparation, improper applications, alkaline silica reaction (ASR), ionic compounds or soluble salts in the concrete..</li><li>*Manufacturer is not responsible for failures caused by cracks and pinholes or damage caused by use. Cracks and joints are not covered by any warranty.</li></ul>	

- \*Any unreacted alkaline silicate compounds within the concrete can result in osmotic action/water vapor transmission that will channel these water soluble compounds to the surface where they can effectively break the bond of the applied system as well as preventing penetration of the coating into the substrate.
- \*Any claim of warrant breach, must be provided to the manufacturer in writing within thirty days of the discovery of a breach of warranty.
- \*In the event of any breach of warranty, customers sole and exclusive remedy shall be replacement or repair of materials actually damaged (i.e., affected areas only)
- \*No warrant shall cover any application that does not follow the surface preparation, mixing, application and covering recommendations and procedures.
- \*Slabs must be at least 4” thick with a functioning vapor barrier.
- \*Manufacturer does not warrant penetration and bond where cores are not tested unless and until project owner submits cores and lab establishes that no impediment to bond or penetration is or was present.
- \*Physical properties are typical values and not specifications.