

TCS EPOXY MVB

2:1 – MOISTURE VAPOR BARRIER



TCS Epoxy Moisture Vapor Barrier is designed to protect the concrete due to its high technology of diglycidyl ether of bisphenol-A resin reacted with a modified multifunctional polyamidoamine adduct activator. The resulting polymer structure is excellent for problematic coating areas that remain damp or wet. The TCS MVB will bond, cure and protect the concrete due to its high tolerance to wet conditions. The product has outstanding adhesion to wet concrete and sand blasted steel and provides a smooth, glossy, tack free cured film with exceptional corrosion protection

PROPERTIES

- Solids: 100%
- Shelf Life: 1 Year
- Mix Ratio: 2A : 1B
- Appearance: Clear / Amber
- Gel Time (100 grams): 2 to 4 hours
- Gel Time – Accelerated Version: 50 minutes to 1.5 hours (Techne GT-3 Gelation Timer) Thin Film Set Time: 8 to 10 hours
- Thin Film Set Time – Accelerated Version: 4 to 7 hours
- Vapor Control Emissions (ASTM F1869): 15–18 psi
- (depending on thickness, penetration, and surface preparation)
- Tensile Strength (ASTM D638): 8,300 – 9,500 psi
- Compressive Strength (ASTM D695):
 - Clear: 11,000 psi
 - Colored: 10,350 psi
- Adhesion to Concrete (ASTM D4541): 480 – 520 psi
- Water Absorption (24 hrs, ASTM D570): $\leq 0.8\%$
- Gardner Circular Drying: 10 mils
- VOC Content: 0 g/L
- Shore D Hardness (ASTM D2240): 72 – 75
- Impact Resistance (Direct / Reverse, ASTM D2794): 20 in-lb



Recommendations

100-150 SqFt Per Gallon

Working time: 20-25 minutes

Dry to touch: 4-7 Hrs



FOR ADDITIONAL INFORMATION CONTACT TWIN COATING SUPPLIES 817-676-6793