



CREATING A CLEANER, SAFER, HEALTHIER WORLD.

COATINGS



Eco-MVR™ 100

MOISTURE VAPOR EPOXY

- **SAVE TIME** – Quick cure times reduces down time between coats
- **PROTECT YOUR FLOORS** – Withstands moisture vapor emission rates up to 99% in-situ relative humidity and up to 24 lbs per 1,000 ft² (92.9 m²) in 24 hours
- **LEED® v4 – Indoor Air Quality Credits Available** – Meets requirements per CDPH-CA Section 01350 Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers Version 1.2



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Tennant Company is a world leader in indoor and outdoor environmental cleaning solutions and floor and wall coatings.

Additional Features & Benefits:

Multiple System Options:

- Tennant's Eco-MVR™ 100 next generation moisture vapor system offers 12, 17 and 22 mil system options

Apply Tennant Topcoats direct to Eco-MVR™ 100:

- Choose from a variety of Tennant topcoats to apply directly to Eco-MVR™ 100, without the use of additional epoxy build coats

Less demanding concrete prep requirements:

- Eco-MVR™ 100 requires shotblasting to a CSP profile 3-4, lower than previous moisture vapor barrier offerings

Apply during normal working hours:

- 100% Solids Epoxy/Zero VOC's
- Low Odor

Fast curing properties reduces shutdown time:

- Set time: 4h 45m at 75°F
- Walk on time: 6h 15m at 75°F

Reduced mixing time:

- Only 3 minutes of mixing required

PHYSICAL/PERFORMANCE PROPERTIES

Eco-MVR™ 100

CURED COATING PROPERTIES (DRY FILM)	TEST METHOD	RESULTS
Adhesion psi	ASTM D7234	>480
Volatile Organic Compound - VOC lb/gal (g/L)	ASTM D3960	.02 (2)
Compressive Strength psi (MPa)	ASTM D695	12,000 (82.737)
Tensile Strength, psi (MPa)	ASTM D638	5,6900 (38.61)
Alkali Resistance	ASTM D1308	Resistant
Tensile Elongation	ASTM D638	2.7%
Microbial Resistance	ASTM G21	Passes

APPLICATION CHARACTERISTICS

Eco-MVR™ 100 System (two coat application required)	Application Thickness		Coverage Rate	
	wet/dry mils (microns)	ft²/gal	m²/gal	m²/L
12 Mil System	12 (304.8)	130	21.1	3.19
	On concrete that is at least 28 days old: Withstands concrete moisture rates up to 85% in-situ relative humidity per ASTM F2170 and up to 15 lbs per 1,000 ft² (92.9m²) in 24 hours per ASTM F1869.			
17 Mil System	17 (431.8)	90	8.36	2.21
	On concrete that is at least 28 days old: Withstands concrete moisture rates up to 99% in-situ relative humidity per ASTM F2170 and up to 24 lbs per 1,000 ft² (92.9 m²) in 24 hours per ASTM F1869.			
22 Mil System	22 (558.8)	70	6.50	1.72
	On fresh (green) concrete that is cured enough to be properly prepped: Withstands concrete moisture rates up to 99% in-situ relative humidity per ASTM F2170 and up to 24 lbs per 1,000 ft² (92.9 m²) in 24 hours per ASTM F1869.			

**Product warranty applies only when ASTM F2170 test meets stated specifications, see product guide for more information. Two coats required, see product guide for detailed application instructions. Testing performed at ambient conditions unless stated otherwise. Specifications subject to change without notice*



FOR FIRST IMPRESSIONS THAT LAST™

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