

# EVERYONE WINS WHEN YOU CHOOSE EVONIK CURING AGENTS FOR MOISTURE VAPOR BARRIER FLOOR COATINGS

The most common means to address flooring failures due to moisture vapor is to apply moisture vapor barrier (MVB) coatings on the surface of the concrete slab. Applicators can use this method for both existing and new construction jobs since it would be the final step before applying the floor covering such as tile, wood, carpet, laminate etc. or seamless flooring system consisting of multiple coating layers such as broadcast floors, Terrazzo, etc.

## ANCAMINE® 2850 A NEW ULTRA-FAST MVB CURING AGENT

CTL Certified Curing Agents provide MVB coatings with  $\leq 0.1$  perms of moisture vapor (ASTM F 3010)



### PREMIUM PERFORMANCE

Outstanding adhesion to dry and damp concrete

High compressive strength

Ultra-Fast return to service with the new Ancamine® 2850

### COST EFFICIENT

Ancamine® 2800 and 2850 allow to apply about 30% less primer to get  $< 0.1$  perms rating vs. other commercial MVB systems

Significant savings when used in combination with a standard BisA resin vs BisF

### ECO-FRIENDLY

No volatile organic components or other harmful materials such as nonyl phenol

Ancamine® 2739 is LEED V4 compliant

The moisture vapor barrier coatings formulated with Ancamine 2739, 2800 and new Ancamine® 2850 are 100% solids epoxy system applied directly to surface of prepared concrete at  $\geq 10$  mils (0.25mm) to suppress moisture transmission down to  $\leq 0.1$  perms (0.1 grains/h/ft<sup>2</sup>/in. Hg).

As certified by third party testing, Ancamine® 2739, 2800 and 2850 do exceed the moisture mitigation systems standard ASTM F3010 -13 which is a standard practice for *Two-component Resin Based Membrane-Forming Moisture Mitigation Systems for Use under Resilient Floor Coverings.*



## Evonik Commercial Offerings vs Standard Commercial System

|  | Ancamine® 2739*                    | Ancamine® 2800*                                      | Ancamine® 2850**                   |
|--|------------------------------------|--|------------------------------------|
| Curing agent Viscosity @25°C (cPs)   | 350                                | 500  | 542                                |
| Mix Viscosity @25°C; (cPs)   | 500                                | 594  | 1050                               |
| Gel Time, 150g mass @ 25°C (min)   | 85                                 | 41   | 28                                 |
| Thin film set time, phase 3 (hr)<br>ASTM D5895   | 11                                 | 6  | 3                                  |
| Adhesion to concrete***<br>ASTM D7234  | > 350 psi<br>Bulk concrete failure | > 350 psi<br>Bulk concrete failure                   | > 350 psi<br>Bulk concrete failure |
| Permeance; (grains/hr/ft <sup>2</sup> /in. Hg) ASTM E96<br>wet method at specified thickness (mils)*** | 0.064 (16mils)                     | 0.051 (16 mils)<br>0.062 (14 mils)<br>0.10 (10 mils) | 0.048 (16 mils)<br>0.084 (10 mils) |

\* Resin side: LER (BADGE) / Epodil® 749 / Epodil® 748; (80:10:10)

\*\* Resin side: LER (BADGE) / Epodil® 748; (90:10)

\*\*\* Results from third party testing (CTL Group)



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