

Repelz MVS

Moisture Vapor Suppression Epoxy Primer for Concrete

TECHNICAL DATA SHEET

Item #: Side A – A38003-PAIL
Side B – A38101-CAN

DESCRIPTION:

Repelz MVS offers one of the fastest cure, lowest perm rated epoxy systems in the industry, saving contractors time and expense. Repelz MVS is a liquid applied epoxy primer designed for use over concrete as early as 7 days after placement, and having moisture levels up to 100% relative humidity. Repelz MVS, when properly applied, will mitigate the damaging moisture issues seen in many applications such as osmotic blistering. Repelz MVS contains no nonyl phenol or benzyl alcohol, so long term emissivity and HES issues are eliminated. Repelz MVS is designed for use with Laurenco line of products such as Laurenco Waterproofing sheet and adhesive systems, Laurenco PMMA-H and PMMA Flashing Resin.

APPLICATIONS:

All 7 day cure or older concrete surfaces can be coated with Repelz MVS. The 2-component system is easy to mix and apply giving one of the lowest mix viscosities in the industry. Fast cure is another key attribute when using Repelz MVS, allowing the contractor to apply multiple system coats in one work shift – other product systems can take up to 1 to 2 days longer to apply.

BENEFITS:

- **One of the lowest moisture perm ratings on film thickness in the industry – 30-35% less cost to apply compared to other products in its class. Less is needed to apply compared to other products.**
- Fastest cure speed of any product in its class
- Free of nonyl phenol and benzyl alcohol
- Can be used on concrete as early as 7 days after concrete placement
- Used in combination with the full Laurenco line of products as specified

PROPERTIES:

VOC (g/l):	Zero g/l, 100% solids
Coverage Rate (ft ²):	120-160 (ft ² at 10-15 wet mils)
Perm Rating**	10 mils: <0.09 perm 15 mils: <0.05 perm

**depends upon concrete mix and water ratios - ASTM E96, ASTM F3010

PROPERTIES (Cont.):

Gel Time (150g mass @ 25C): 30 minutes

Thin Film Set Time – Cure Time (ASTM D5895, phase 3):

3 hours @ 22°C

6 hours @ 10°C

Adhesion to Concrete (ASTM D7234, International Repair Institute concrete surface rating: CSP3):

Dry Concrete: 1200 psi

Wet Concrete (~10% surface moisture): 950 psi

PACKAGING

3-gallon Kits [2 gal resin : 1 gal activator]

Side A - A38003-PAIL – 2 gals of resin in a 5-gallon pail for mixing with Side B

Side B - A38101-CAN – 1 gal can of activator

SHELF LIFE:

2 years in unopened containers stored at 50°F – 90°F

HOW TO APPLY:

Application Temperature (ambient & substrate): 50°F – 105°F

Surface Preparation: All surfaces to be coated shall be free of any debris, stains, standing or ponded water prior to application. Apply when substrate and ambient air temperature is 50°F and rising.

Mixing: Repelz MVS is mixed via powered paddle blade after Side B Hardener is added to Side A. Avoid air entrainment while mixing. Mix thoroughly for 2-3 minutes to ensure proper dispersion of the components.

Application: Repelz MVS is designed for application via roller, avoid puddling of material.

Contact Laurenco Waterproofing sales and technical service for any questions regarding the application of this product.

CLEANING & REMOVAL:

Tools and equipment may be cleaned with xylene or MEK prior to the epoxy system hardening. Clean tools promptly after use for easiest cleaning.

PRECAUTIONS:

Review Repelz MVS SDS prior to use.

Do not thin.