



Technical Data Sheet

RAPID CURE MVB Tinted Base Waterproofing Sealer

Characteristics & Technical Data

Appearance:	Colored Base
Colors of Base:	Gray, Dark Gray, and Tan
Odor:	Slight Solvent Odor
% Solids; Part A+B	90%
WT./Gal; Part A	10.2 lb
WT./Gal; Part B	7.9 lb
Viscosity of Blend A+B	600-1000 cps
VOC A+B:	< 150 gr/Lt

1. Manufacturer

Surfacelogix - a Reliance Supply Company
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2. Product Description

Rapid Cure MVB Base is low viscosity, low odor, easy to apply with a squeegee or roller, and VOC compliant **Waterproofing Sealer** with a system of 90% solids. It comes in Gray, Dark Gray, and Tan kits. It is formulated to reduce substantially the permeation of water vapors through concrete. It is used before the application of non-permeable coatings such as Epoxies, Polyurea, or Polyaspartic. Rapid Cure MVB Base is recommended when humidity or moisture is present in concrete floor or suspected to be present. If a moisture vapor barrier is not applied in these circumstances, seasonal variations in ground moisture can cause excessive moisture vapor transmission (MVT) that can cause problems to the coating application. Rapid Cure MVB Base will seal pores, resulting in less sealer needed when applying final top coat sealer and can be used in flakes broadcasting and quartz finishes. **FOR PROFESSIONAL USE ONLY!**

Note: Do not apply on pavers or very porous substrates.

3. Properties & Special Features

- Solvent base, high solids, low VOCs
- 8 hours return time
- High temperature and traffic resistance
- Great chemical and stain resistance
- Excellent for full broadcast systems
- Excellent adhesion to concrete and cementitious floors
- Excellent flow makes it easy to apply
- Low Moisture Vapor Transmission. 0.6 Perm @ 10 mil

The Rapid Cure MVB waterproofing sealer is capable of bringing down 25 lb. to under 3 lb. per 1,000 sq.ft. per 24 hr (as per ASTM F 1869-98 test with Calcium Chloride).

3. Properties & Special Features (cont.)

Note: Before applying a protective coating or other flooring materials to a concrete slab, it is critical to ensure that the moisture level inside the concrete has decreased to acceptable levels. Typically $\leq 75\%$ Relative Humidity (RH), 3 lb./1,000 sq. ft./24 hours MVER, or $\leq 5\%$ Moisture Content (MC). The recommended 75% RH value is a guide as per ASTM 2170 and the 3.5% MC are all on the same line of acceptance.

4. Directions

Preparation: Surfaces must be clean and free of any contaminants before application (oils, grease, or solvents should not be present). New concrete should cure at least 28 days before applying. Rapid Cure MVB's performance is directly related to how thoroughly the surface is prepared. When applying directly on old concrete or stripped cement, all cracks should be eliminated. Sand/ grind thoroughly with 60-grit sandpaper or diamonds, (diamond grind or shotblast to a CSP 1-3 surface profile) and clean off existing coating to provide proper surface profile before applying.

Applications: Start by mixing Parts A and B of Rapid Cure MVP. **Note:** Only use the correct ratio of 2:1, as provided (i.e. 2 gallons of Part A to 1 gallon of Part B). Pour Parts A and B into a clean, dry container and gently mix with a drill for 2-3 minutes, avoiding creating air bubbles. **Note:** Do not mix in a plastic container as combining Parts A and B has a high exothermic reaction, resulting in a temperature increase. Always test product in an obscure area to ensure desired results. Do not apply over clear acrylics, clear water-based systems, pavers, or very porous substrates.

1. Apply mixed product at a spread rate of 100-150 sq. ft. per gal. using a squeegee and back roll with a non-shedding 3/8" nap roller to achieve a 12-15 wet film thickness. (When broadcasting flakes, make sure to achieve a minimum 15 mil thickness of base to ensure optimum MVB performance).

Note: Exposure to moisture in the air and high humidity may slow down the curing process and cause adhesion problems.
2. High temperature will result in faster pot and curing times.

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RAPID CURE MVB

4. Directions (continued)

3. Allow Rapid Cure MVB to level in the surface. Back roll any material that is puddled on the surface. A second coat may be applied, if desired.

Note: Applying thicker than recommended layers, allowing material to pool, or rolling onto late or moisture present may result in a hazy, white appearance.

4. If broadcasting flakes, spread flakes evenly before the surface dries. Scrape and remove all excess flakes from the surface before applying a clear top finish.

5. Allow Rapid Cure MVB to completely dry before applying a top coat sealer (typically 2-3 hours).

5. Clean Up

Clean mixing and application equipment immediately after use. Use toluene, acetone, or xylene. Follow solvent manufacturer's safety instructions. Be sure to follow all local, state, and federal regulations when disposing of materials.

6. Packaging

Size	Package	Per Case	Units/ Pallet
1 Gallon	Can	3	60 kits

Part A = 10.2 lb./gal.; Part B = 7.9 lb./gal., net weights

7. Characteristics & Technical Data

% Solids by Weight (When Mixed A+B): 90%

WT./Gal (A): 10.2 lb.

WT./Gal (B): 7.9 lb. (Part B is Clear, Amber-Red Color)

Coverage: 100-150 sq.ft./gal. @ min 12 mil WFT

VOCs (A+B) : <150 gr/L

Pot Life: 30-50 Minutes at 80° F

Note: higher temperatures decreases pot time.

Tack Free: 1.5- 2.0 hours

Light Foot Traffic: 3-4 hours

Complete Hardness: 8 hours

Heavy Traffic: 24 hours

Full Cure: 5 days

Min. Recoat: 2-3 hours

Max. Recoat: 48 hours

****If applying a second coat, it must be applied within 24 hours after the first. If the re-coat window is missed, the coating system will need to be sanded and reapplied.**

8. Shipping

Land & Sea: Part A Ships Non Regulated,
Part B: Ltd Qty. under 5 Lt

Packing Group: III (DOT Class 8 above 5 Lt package)

Flash Point: >100° C

9. Storage & Shelf Life

Product must be kept in its original, unopened, and tightly sealed container. Store in a dry and well ventilated place with controlled temperature (50°F to 90°F). Keep sheltered from weather and direct sunlight. In proper storage conditions, the product's shelf life is 12 months following production (see date on packaging).

10. Health Hazard Information

Health Hazards:

Eyes: Strong irritation

Skin: Prolonged or repeated contact can cause irritation

Inhalation: May cause irritation of the upper respiratory system and discomfort

Ingestion: May result in abdominal discomfort, nausea, vomiting, diarrhea, and distress.

Precautions:

Use gloves and safety glasses when handling this product.

Eye Contact: If in eyes, flush with water for at least 15 minutes. Do not rub eyes. Remove contact lenses if worn. Consult a physician.

Inhalation: If swallowed, DO NOT induce vomiting. Seek medical attention immediately.

Skin: Avoid prolonged contact with skin. Wash hands immediately with water and soap if in contact with hands. If irritation develops in eyes or skin, call a doctor.

Please understand the label instructions and Safety Data Sheets before using the product.

Other Precautions: Do not ingest. Keep away from children's and pet's reach. Do not mix with other chemical.

11. Technical Support

For friendly, knowledgeable and courteous technical support, please call 954-971-9111. You may also contact us by sending a query from our website at www.surfacelogix.net.

12. Disclaimer

All Surfacelogix products are manufactured with the finest raw materials. It is the applicator's responsibility to determine the appropriate use of the product. All recommendations and suggestions are made without guarantee since conditions of use are beyond our control.