



RS9000 MVB UltraFast

ResinsPlus RS9000 is a two component vapor barrier coating designed to be a faster version of our standard Resins Plus MVB & our Resins Plus MVB FastCure. Resins Plus MVB UltraFast is used as a primer as well as a binder resin for Flake. Resins Plus MVB UltraFast will control moisture vapor emission rates up to 18 lb/24 hr/1000 square feet all while providing excellent physical and chemical resistance.

RS9000 MVB UltraFast is formulated as a high solids system for:

- ✓ Garage Floors
- ✓ Classrooms
- ✓ Laboratories
- ✓ Mechanical Rooms
- ✓ Light manufacturing

where cleanliness and easy maintenance are required.

Advantages

- ✓ Helps reduce effects of moisture vapor transmission
- ✓ 100% Solids, Solvent Free, Low VOC
- ✓ Low Odor
- ✓ VOC Compliant
- ✓ Easy to Apply
- ✓ Low Temperature Cure

Application Data

Mix Ratio	2A:1B
Packing	3-gal kit
Application temp.	40F° - 85F°
Pot Life	15 mins

Cure Time

Working time	20-25 min
Set Time	90 minutes
Recoat Time	2-24 hours
Full Cure	3 days
Light Foot Traffic	3-5 hours
Suggested Coats	1-2

Surface Preparation

Surface must be clean, sound and dry. Prior to coating a floor all trowel marks and surface imperfections must be removed to produce a smooth & uniform surface. Proper surface preparation is critical to ensure an adequate chemical bond to substrate. Substrate must be dry and free of all wax, grease, oils, fats, soil, contaminants, loose or foreign matter and laitance. Concrete should be cleaned and prepared using a shot blast machine or adequate grinding equipment to achieve a CSP-3 to CSP-4 profile as per ICRI guidelines. Compressive strength of concrete should be at least 3,500 psi (24 Mpa) @ 28 days and at least 215 psi (1.5 Mpa) in tension at time of product application.

Technical Properties

ASTM D-635 – Flammability Self Extinguishing
ASTM D-638 – Tensile Strength SSSOpsi
ASTM D-638 – Tensile Elongation%: 10–15%
ASTM D-695 – Compressive Strength:
@ 24 hours: 7500 @ 7 days: 9800
ASTM C-722 – Monolithic Surfacing: PASS
ASTM D-2794 – Impact Resistance: PASS
ASTM D-4060 – Abrasion Resistance 100 mg loss
ASTM D-4366 – Shore D 80–90
Vapor Permeance@16 MILS 0.71 g/(m²d)
ASTM E96 US Perm 0.06

MVER/RH@ 16 MIL Thickness ASTM F 186
18lb/24hr/1000 sq feet

PART A

VOC's: Zero
Toxicity: Harmful if swallowed
Flammable: Nonflammable
Color: Tan or Grey
Viscosity: 900-1100 cps

PART B

VOC's: Zero
Toxicity: Harmful if swallowed
Flammable: Nonflammable
Color: Clear
Viscosity: 200-450 cps

Mixing

Resins Plus RS9000 MVB Ultrafast is supplied in factory proportioned quantities, greatly reducing the risk of applicator error during mixing. Step 1 - Mechanically premix PART A (resin) with an appropriate slow speed drill equipped with a Jiffy Mixer, for 1 minute. Step 2 - Slowly empty entire content of PART B into container holding PART A and continue to mix slowly for 3 minutes until uniform consistency in texture and color is achieved. Avoid unnecessary entrapment of air during mixing. Make sure to scrape walls and bottom of container with straight edged trowel at least once to ensure homogeneous mix. Make sure to empty ALL contents of PART B into PART A to avoid system weakening or incomplete curing. DO NOT MIX MORE MATERIAL THAN CAN BE APPLIED WITHIN WORKING TIME LIMITS.

Application

APPLICATION Resins Plus RS9000 MVB UltraFast should be applied at ambient and surface temperatures between 33- 90° F and humidity below 80%. Resins Plus MVB UltraFast is applied with a rubber squeegee and back rolled with a 3/8" lint-free nap roller (on smooth surfaces) to remove squeegee lines and smooth out coating. Additional coats may be applied when surface is tack-free (< 2 hours). Do not exceed first 24 post-application hours for recoating. By exceeding this 24 hour recoat time limit, the entire surface must be lightly sanded to achieve desired profile for a proper mechanical bond. Clean up all dust and debris created by aforementioned sanding prior to applying subsequent coat.

CURING Resins Plus MVB UltraFast is tack-free in less than 2 hours at temperatures as low as 60 F. Coated area may be put back into service after 5-12 hours. Curing is complete and full product characteristics are achieved after 3 days. Curing times dependent upon ambient & surface conditions.

PRECAUTIONS&LIMITATIONS Prior to application, measure and confirm Substrate Moisture Content, Ambient and Surface temperatures and Dew Point. This coating cannot be used against hydrostatic pressure. Substrate Moisture: Moisture within substrate must be 4% by mass as reassured by a type of concrete moisture meter on mechanically prepared surface.

Do not add thinners or solvents to mix. Do not add water. Dispose of waste materials in accordance with government regulations. The use of safety glasses and protective gloves is required. In case of contact, flush areas with abundance of water for 20 minutes and seek medical assistance. Wash skin with soap and water.

Use only in well ventilated areas

AVOID CONDENSATION. The substrate must be at least 5° F above Dew Point to reduce risk of condensation. Condensation may lead to failure in adhesion. Avoid situations where substrate temperature is considerably lower than ambient temperature.

FIRSTAID

In case of contact with skin, wash thoroughly with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult with a doctor. For respiratory problems, transport victim to fresh air. Remove contaminated clothes and clean before reuse. Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke an irritation. Avoid eye contact. Contact with may cause serious burns. Avoid breathing vapors release from this product. This product is a strong sensitizer. Wear safety glasses and chemical resistant gloves. A breathing apparatus filtering organic vapors approved by the NIOSH/MSHA is recommended. Predict suitable ventilation. Consult the material safety data sheet for further information.

CLEAN UP/STORAGE

Store in clean dry area. Do not freeze. Dispose in accordance with all state local and federal laws. Clean-up tools and equipment with xylene.

IMPORTANT NOTICE

The recommendations and information contained in this document are based on reliable test results according to Resins Plus. It is the responsibility of the user to validate the information therein and to test the product before using it. Resins Plus assumes no legal responsibility for the results obtained in such cases. Resins Plus assumes no legal responsibility for any direct, indirect, consequential, economic or any other damages except to replace the product or to reimbursement the purchase price, as set out in the purchase contract.

FOR PROFESSIONAL USE ONLY!!

This data sheet provides typical properties for Resins Plus products. Before using this product, the user is advised and cautioned to make their own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application.

Please consult our SDS for further safety information.