



## XPS SUPER Fast Cure MVB

### PRODUCT DESCRIPTION

XPS SUPER FC MVB is a 100% solids, two component epoxy coating, made to control the moisture vapor emission rate on deteriorated or new floors.

This coating will control moisture vapor emission rates up to 25 lb. /24 hr. /1000 square feet.

### XPS SUPER FC

MVB provides excellent physical and chemical resistance while maintaining its aesthetics. This system has been approved by the Canadian Food Inspection Agency and meets LEED standards.

### APPLICATIONS

XPS SUPER FC MVB is formulated as a high solids system for classrooms, laboratories, mechanical rooms, areas of light manufacturing, where cleanliness and easy maintenance are required.

### ADVANTAGES

- Low odor, Solvent-free, low VOC content
- 100% solids with an esthetic high gloss finish
- Superior mechanical resistance
- Good chemical and physical resistance
- Easy to clean, bacteria and moisture resistant surface

### PACKAGING

XPS SUPER FC MVB is packaged in factory

proportioned packaging for easy handling and mixing.

**Resin (R): 2.0 US Gal**

**Hardener (H): 1.0 US Gal**

### STORAGE

All XPS components should be stored in dry, temperature controlled areas between 72°F.

Do not expose to freezing or excessive high heat

### TECHNICAL DATA

Percent solids	100%
VOC content	<15 (g/L)
Pot life (3 Gallons) @ 77°F	35-40 minutes
Suggested number of coats	-
Mixing ratio by volume	2:1

Compressive Strength	ASTM D695	6800 psi
Bond Resistance	ASTM D4541	268 psi
Tensile Strength	ASTM D638	5500 psi

Color(s)	XPS standard colors
	▪ WHITE                      ▪ GREY
	▪ BEIGE                      ▪ BLACK
	▪ CLEAR

Recoat time (min/max)	8 hours/24 hours
Shelf life	12 months in unopened factory filled container. Store in dry area between 54-82°F.

PRIOR TO USE APPLICATOR MUST ALWAYS READ AND FOLLOW WARNINGS AND INSTRUCTIONS ON Xtreme Polishing Systems MOST UP TO DATE PRODUCT TECHNICAL DATA SHEETS, PRODUCT LABELS AND MATERIAL SAFETY DATA SHEETS WHICH ARE AVAILABLE UPON REQUEST BY CALLING TECHNICAL SUPPORT DEPARTMENT.

### SURFACE PREPARATION

Surface must be clean, sound and dry. Prior to coating a Xtreme Polishing Systems 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) @ 2 weeks and at least 215 psi (1.5 Mpa) in tension at time of product application.





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### PRIMING

Allow primer to cure until tack-free before applying subsequent coat. Prior to applying subsequent coat, verify and ensure that the primer is free of any pinholes, bubbles, open porous areas and that the entire surface is uniformly coated. Verify moisture vapor transmission levels in concrete substrates

prior to priming. A polymer moisture vapor barrier system may be required for substrates affected by elevated transmission rates. Consult XPS Technical Services for further information.

### MIXING

**XPS SUPER FC MVB** 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 2 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.**

### POT LIFE

After mixing, XPS SUPER FC MVB has a pot life of approximately 5 minutes at 77 °F. Pot life depends on ambient and surface conditions. Dry on floor - 15 min.

### APPLICATION

XPS SUPER FC MVB should be applied at temperatures between 59-82 °F and humidity below

80%. XPS SUPER FC MVB is applied with a rubber squeegee and back rolled with a 10mm 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 (roughly 8 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

**XPS SUPER FC MVB** is tack-free in approximately 8 hours at 77 °F. Coated area may be put back into service after 24 hours. Curing is complete and full product characteristics are achieved after 72 hours. 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.

**Substrate Moisture:** Moisture within substrate must be ≤4% by mass as measured by Tramex® type concrete moisture meter on mechanically prepared surface.

**Dew Point:** AVOID CONDENSATION. The substrate must be at least 37 °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.

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.

