



## XPS FAST CURE MVB

ADVANTAGES	<ul style="list-style-type: none"><li>■ Dense surface resistant to bacteria and moisture and easy to clean</li><li>■ May apply several layers on itself</li><li>■ Contains low VOC (78.9 g/L), allowing for interior application without harmful odors</li><li>■ Excellent adhesive properties, allowing application on other firm and hard coating, as well as a good bond to the substrate</li><li>■ Meets LEED standards</li><li>■ VRM RESISTS UP TO 8LBS OF MOISTURE</li><li>■ MVB RESISTS UP TO 25LBS OF MOISTURE</li></ul>				
TECHNICAL DATA	Packaging	11.35 L (3 US gal.) and 56.7 L (15 US gal.)			
	Color	Part A	Part B	Mix	
		Upon Request	Clear to Amber	Upon Request	
	Recommended Thickness	Primer	16-20 mils		
		Finish Coat	10-16 mils		
	Mileage per gallon (8 mils thickness)	200 ft²			
	Shelf Life	12 months in original unopened factory sealed containers. Keep away from extreme cold, heat, or moisture. Keep out of direct sunlight and away from fire hazards.			
	Mix Ratio, by volume	A:B = 2:1			
	Mix Ratio, by weight				
		Clear	A:B =100:41-48		
	Colors	A:B =100: 39-45			
Pot Life (454 g)	20-30 minutes @ 25°C				
PROPERTIES @ 23°C (73°F) AND 50% R.H.	Solids Content, by weight	100%			
	Solids Content, by volume	100%			
	VOC (g/L)	Part A	Part B	Mix	
		37.6	173.1	78.9	
	Density (kg/L)	Part A	Part B	Mix	
		Clear	1.05-1.10	0.9-1.0	--
		Colors	1.10-1.15	0.9-1.0	--
	Thinner Recommended	XYLENE			
	Waiting Time/ Overcoatability	8-12 hours			
	Pedestrian traffic	12-24 hours			
	Normal traffic	24-48 hours			
	Heavy equipment traffic	>48 hours			
	* Times are approximate and will be affected by changing ambient conditions, especially changes in temperature and relative humidity. *				
	Bond Resistance (psi), ASTM D4541	>300 (substrate ruptures)			
	Permeability (%), ASTM D570	0.8 % VRM			
	Hardness (Shore D), ASTM D2240	85-90			
	Abrasive resistance, ASTM D4060 ( CS17 / 1000 cycles / 1000 g)	0.10 g			
	Viscosity @ 25°C	Part A	Part B	Mix	
		Clear	1200-1400	200 - 400	800-1000
		Colors	4000-5000	200 - 400	2200-2500
Traction Resistance (psi), ASTM D638	6500				
Compressive Strength (psi MPa), ASTM D695	12000-13000				
Elongation %, ASTM D638	6.7%				

**\* Please note, that the indicated mileage is calculated for flat surfaces. A porous or imperfect surface will require more material in order to cover the same surface area. \***





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<b>SURFACE PREPARATION</b>	<p><b>Old Concrete</b> Concrete surface must be cleaned and mechanically prepared using shotblasting, sand blasting, and/or diamond grinding. All oils, sealers, curing agents, waxes and fats must be removed prior to product application. Do not apply onto wet substrates. Chloride, moisture, and pH levels should be checked prior to application. SCI-100-VRM/MVB primer is suggested prior to application on porous concrete substrates. All cracks and substrate imperfections should be filled and repaired with SCI-4400 prior to application.</p> <p><b>New Concrete</b> New concrete should be allowed to cure for a minimum of 30 days. Compression resistance of concrete must be at least 25 MPa (3625 lbs./inch<sup>2</sup>) after 28 days and traction resistance must be at least 1,5 MPa (218 lbs./inch<sup>2</sup>). Shotblasting, sand blasting, and/or diamond grinding is required to remove the surface laitance that appears during the concrete finishing and curing process. SCI-100-VRM/MVB primer should be used to seal porous concrete surfaces prior to application. All cracks and substrate imperfections should be filled and repaired with SCI-4400 prior to application.</p>
<b>MIXING</b>	<p>Materials should be pre-conditioned to a minimum of 15°C (59°F) prior to use. Thoroughly mix each component paddle mixers and a drill for a minimum of 2 minutes to place the solids content evenly in suspension. Pour component A using the proper mixing ratio of 2A:1B by volume. Mix both components for at least 3 minutes u revolution (300 to 450 rpm) to reduce trapping of air. While mixing, scrape bottom and walls of container at lea a homogeneous mix. Only prepare quantity that may be applied during pot life of mixture.</p>
<b>APPLICATION</b>	<p>Apply mixed product on the prepared surface tightly (thin film) using a rubber rake and pass a roller to obtain a uniform coating. Avoid creating puddles.</p>
<b>CLEANING</b>	<p>Clean all tools and materials with the cleaner/thinner for epoxies. Wash hands and skin carefully with warm soapy water. Once product has hardened, it may only be removed through mechanical means.</p>
<b>RESTRICTIONS</b>	<ul style="list-style-type: none"> <li>■ Minimum/Maximum temperature of substrate: 15°C / 30 °C (59 °F / 86 °F).</li> <li>■ Maximum relative humidity during application and curing: 85 %.</li> <li>■ Substrate temperature must be minimum of 15 °C (59 °F).</li> <li>■ Humidity content of substrate must be &lt; 8 % for VRM and 25% for MVB when coating is applied.</li> <li>■ Do not apply on porous surfaces where a transfer of humidity may occur during application.</li> <li>■ Avoid exterior use on substrates at ground level.</li> <li>■ Protect from WATER, condensation and contact with water during the 24 hour initial curing period.</li> <li>■ Surface may discolor in areas exposed to regular ultraviolet light.</li> </ul>
<b>HEALTH AND SAFETY</b>	<p>In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult a physician. For respiratory irritation, move affected person to fresh air. Remove contaminated clothes and clean before reuse.</p> <p>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 product 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. Work in well ventilated area.</p> <p style="color: red; text-align: center;"><b>*Consult the material safety data sheet for further information.*</b></p>
<b>IMPORTANT NOTICE</b>	<p>All statements, recommendations and technical information contained in this document are accurate to the best knowledge of SCI COATINGS INC. The data relates only to the specific material designated herein. It may not be valid if used in combination with any other materials. It is the users' responsibility to verify suitability of this information for their own particular use, and to test this product before use SCI COATINGS INC. assumes no legal responsibility for use upon these data. SCI COATINGS INC. assumes no legal responsibility for any direct, indirect, consequential, economic, or any other damage except to replace the product or refund the purchase price as set out in the purchase agreement.</p>

