



ANCHORBOND

FINISH STRONG

TECHNICAL DATA SHEET



AnchorBond 100 LV

Low-viscosity self-leveling epoxy for easier application

DESCRIPTION AnchorBond 100 LV is a solvent-free, two component epoxy coating system. It exhibits very good appearance, chemical and physical properties. It was developed for systems that require a low viscosity epoxy coating for easier application. This system complies with the Canadian Food Inspection Agency (C.F.I.A).

- ADVANTAGES**
- Dense surface resistant to bacteria and moisture and easy to clean.
 - May apply several layers onto itself with excellent adhesion.
 - Contains no solvent with a very low VOC content, allowing for interior application without harmful odors.
 - Excellent adhesive properties, allowing application on other firm and hard coating, as well as a good bond to the substrate.
 - Can be applied to plywood.

PROPERTIES @ 23°C (73°F) and 50% R.H.	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		6-8 mils			
			Finish Coat		8-12 mils			
	Mileage per gallon (8 mils thick)		200 ft ²					
	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 (100:50)					
	Mix Ratio, by weight							
			Clear	A: B =100: 41-48				
			Colors	A: B =100: 39-45				
	Gel Time (100 g)		40-50 minutes @ 25°C (77°F)					
	VOC Content		Part A	Part B	Mix			
			30	15	45			
	Solids Content, by weight		100%					
	Solids Content, by volume		100%					
	Specific Gravity		Part A	Part B	Mix			
			Clear	1.10-1.15	0.9-1.0	--		
			Colors	1.15-1.20	0.9-1.0	--		
	Thinner Recommended		XYLENE					
	Waiting Time/ Overcoat Ability							
	Before Applying SCI-100 over primer		Substrate Temperature		Minimum	Maximum		
± 10 °C / 50°F			N.A	N.A				
± 20 °C / 68°F			12 hours	2 days				
Before Applying Second Coat of SCI- 100		± 30 °C / 86°F		6 hours	1 day			
		± 10 °C / 50°F		30 hours	3 days			
		± 20 °C / 68°F		24 hours	2 days			
		± 30 °C / 86°F		16 hours	1 day			
Curing Details	Substrate Temperature	Foot Traffic	Light Traffic	Full cure				
	± 10 °C / 50°F	30 hours	5 days	10 days				
	± 20 °C / 68°F	24 hours	3 days	7 days				
	± 30 °C / 86°F	16 hours	2 days	5 days				

Times are approximate and will be affected by changing ambient conditions, especially changes in temperature and relative humidity.



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Bond Resistance (psi), ASTM D4541	>300 (substrate ruptures)			
Permeability (%), ASTM D570	0.3 %			
Hardness (Shore D), ASTM D2240	85-90			
Abrasive resistance, ASTM D4060 (CS17 / 1000 cycles / 1000 g)	0.10 g			
Viscosity @ 25° (77°F)	Part A	Part B	Mix	
	Clear	1000-1200	125-225	900-1100
	Colors	1200-1400	122-225	900-1100
Tensile strength (psi), ASTM D638	6500			
Compressive Strength (psi MPa), ASTM D695	11000-12500			
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.

SURFACE PREPARATION	<p>Old Concrete 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. AnchorBond-801 primer is suggested prior to application on porous concrete substrates. All cracks and substrate imperfections should be filled and repaired with AnchorRepair 4400 SFC prior to application.</p> <p>New Concrete 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./inch²) after 28 days and traction resistance must be at least 1,5 MPa (218 lbs./inch²). Shotblasting, sand blasting, and/or diamond grinding is required to remove the surface laitance that appears during the concrete finishing and curing process. AnchorBond 100 SL primer should be used to seal porous concrete surfaces prior to application. All cracks and substrate imperfections should be filled and repaired with AnchorRepair 4400 SFC prior to application.</p>
MIXING	<p>Materials should be pre-conditioned to a minimum of 10°C (50°F) prior to use. Thoroughly mix each component separately using paddle mixers and a drill for a minimum of 2 minutes to place the solids content evenly in suspension. Pour component B into component A using the proper mixing ratio of 2A:1B by volume. Mix both components for at least 3 minutes using a drill at low revolution (300 to 450 rpm) to reduce trapping of air. While mixing, scrape bottom and walls of container at least once to ensure a homogeneous mix. Only prepare quantity that may be applied during pot life of mixture.</p>
APPLICATION	<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>
CLEANING	<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>
RESTRICTIONS	<ul style="list-style-type: none"> ■ Minimum/Maximum temperature of substrate: 15°C / 30°C (59°F / 86°F). ■ Maximum relative humidity during application and curing: 85%. ■ Substrate temperature must be 15°C (59°F). ■ Humidity content of substrate must be <4 % when coating is applied. ■ Do not apply on porous surfaces where a transfer of humidity may occur during application. ■ Avoid exterior use on substrates at ground level. ■ Protect from humidity, condensation and contact with water during the 24-hour initial curing period. ■ Surface may discolor in areas exposed to regular ultraviolet light.



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HEALTH AND SAFETY	<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 irritations, move affected person outdoors to fresh air. Remove contaminated clothes and wash before reuse.</p> <p>Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke irritation. Avoid eye contact. Contact with product may cause severe burns. Avoid breathing vapors released 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. Always work in a properly ventilated area.</p> <p>*Consult the material safety data sheet for further information.*</p>
IMPORTANT NOTICE	<p>All statements, recommendations and technical information contained in this document are accurate to the best knowledge of ANCHORBOND. 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. ANCHORBOND assumes no legal responsibility for use upon these data. ANCHORBOND 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>