



ANCHORBOND

FINISH STRONG

TECHNICAL DATA SHEET



AnchorShield 300-8000

High-solids Polyaspartic/ Polyurea Topcoat

DESCRIPTION	AnchorShield 300-8000 is a two components solvent borne aliphatic polyaspartic system designed to maintain the integrity of concrete surfaces while showing very good appearance. It exhibits excellent mechanical properties as well as UV stability, chemical and solvent resistance.			
APPLICATIONS	<ul style="list-style-type: none"> ■ Industrial flooring ■ Bridges ■ Maintenance facilities ■ Aircraft hangar flooring ■ Car washes ■ Areas needing a resistant flooring topcoat 			
ADVANTAGES	<ul style="list-style-type: none"> ■ Low odor ■ Aesthetic finish ■ Superior mechanical resistance ■ Good chemical and physical resistance ■ Easy to clean, bacteria and moisture resistant surface 			
TECHNICAL DATA @ 25°C	Packaging	Packaged in factory proportioned packaging for easy handling and mixing. Resin (A): 4 KG Hardener (B): 4.3 KG		
	Storage	All ANCHORBOND components should be stored in dry, temperature-controlled areas between 12-28°C. Do not expose to freezing or excessive high heat		
	% Solids by weight	82%		
	VOC Content	>200 g/L		
	Specific Gravity	Part A	Part B	Mix
		1.05-1.10	1.05-1.10	-
	Mixing Ratio by volume	100:100		
	Mixing Ratio by weight	100:98		
	Mileage (On Flakes)	8-12 Mils/130-200 ft ² /US gal		
	Mileage (On Solid Color)	8 Mils/200 ft ² /US gal		
	Color	Clear, Beige and Grey		
	Mixing Ratio by weight	100:98		
	Gel Time (100 g)	60-90 Minutes		
	Working Time (23°C/12% RH)	30-40 minutes		
	Tack Free Time (8 mils) (23°C/12% RH)	5-7 Hours		
	Mixed Viscosity	150-200 cps		
	Suggested # Of Coats	1-2		
	Shelf Life	12 months unopened		
	Compressive strength ASTM D695	9000-10000 psi		
	Bond Resistance, ASTM D4541	500 psi		
	Tensile Strength, ASTM D638	6000-7000 psi		
	Hardness (Shore D), ASTM D2240	75-80		
	Water Vapor Transmission ASTM E96	1 Perm		
Elongation, D638	100%			



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	Recoat		Substrate Temp	Minimum	Maximum
			± 10 °C	1 day	2 days
			± 20 °C	6 hours	12 hours
			± 30 °C	4 hours	8 hours
Curing Details	Substrate Temp	Foot Traffic	Light Traffic	Full Cure	
	±10 °C	3 days	7 days	10 days	
	± 20 °C	6 hours	12 hours	7 days	
	± 30 °C	4 hours	8 hours	5 days	
Abrasion Resistance ASTM D4060 (CS17/1000 CYCLES/1000 G)			30 mg		
Water Absorption (%) ASTM D570			0.2		
Fire Rating CAN/ULC S102			Estimated on similar coating		
Flame spread			5		
Smoke developed			94		
Coefficient of Friction ASTM D1894			0.5 - 0.7		
<p>Prior to use applicator must always read and follow warnings and instructions on ANCHORBOND. 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.</p>					
SURFACE PREPARATION	<p>Surface must be clean, sound and dry. Prior to coating a ANCHORBOND 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.</p>				
MIXING	<p>AnchorShield 300-8000 is supplied in factory proportioned quantities to reduce the risk of applicator error during mixing. Pour the entire content of PART B into container holding PART A and mix for 3 minutes until homogeneity is achieved. Make sure to scrap e 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.</p> <p style="text-align: center;">DO NOT MIX MORE MATERIAL THAN CAN BE APPLIED WITHIN WORKING TIME LIMITS.</p>				
POT LIFE	<p>After mixing 454g, AnchorShield 300-8000 has a pot life of approximately 60-90 minutes at 25°C. Pot life depends on ambient conditions.</p>				
APPLICATION	<p>AnchorShield 300-8000 should be 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.</p>				
CURING	<p>AnchorShield 300-8000 topcoat may be put back into service after 24 hours. Full product characteristics are achieved after 72 hours. Curing times dependent upon ambient & surface conditions.</p>				



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PRECAUTIONS & LIMITATIONS	<p>Prior to application, measure and confirm Substrate Moisture Content, Ambient and Surface temperatures and Dew Point.</p> <p>Substrate Moisture: Moisture within substrate must be $\leq 4\%$ by mass as measured by Tramex® type concrete moisture meter on mechanically prepared surface.</p> <p>Dew Point: AVOID CONDENSATION. The substrate must be at least 3°C 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.</p>
	<p>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.</p>
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 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>*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>