

PRODUCT AND COMPANY IDENTIFICATION		
PRODUCT MANUFACTURER: Stone Edge Surfaces	MANUFACTURER: Turley International Resources, LLC.	
PRODUCT NAME: Pro Bond Ultra Cover Board	4322 South 80 th Street	
	Mesa, AZ 85212 - USA	
	TEL: 844-786-6333 E: info@stoneedgesurfaces.com	
EMERGENCY: Call 911 or seek medical assistance immediately	MEDICAL: Call 911 or seek medical assistance immediately	
PRODUCT COMPOSITION		
<p>Stone Edge Surfaces Pro Bond Ultra Cover Board is ASTM E84 Fire and Smoke Class A Certified, Pre Sanded, Fiber Reinforced, Commercial Grade, Just-Add-Water, No Primer Required, Heavily Polymerized Extreme Bonding Concrete Cover Board mix that has high flexural strength, extreme adhesion qualities, and is easily troweled or pumped. Pro Bond Ultra Cover Board is a roof cover board material that creates a monolithic, seamless, flat cover board surface for the application of EPDM, TPO, PVC, Hot Mop and other roofing systems or materials. Pro Bond Ultra Cover Board does not require a primer to bond to LWIC material, Insulating Styrofoam, pre-existing roofing materials during a retrofit, as well as other roof deck materials. Pro Bond Ultra Cover Board can be mixed thin for pumping and semi-self-leveling, or mixed thick to be troweled and create positive slope up to 4" thick to direct water to scuppers, roof edges and drains, create crickets, etc. Pro Bond Ultra Cover Board has extreme adhesive qualities and will adhere to LWIC, Insulating Styrofoam, Bonderized Flashing, as well as many other materials. Pro Bond Ultra Cover Board is durable, water and mold resistant, and does not expand, contract, or warp when exposed to moisture. Pro Bond Ultra Cover Board is extremely durable at 5,000 PSI for foot traffic, wheeled traffic and to help protect the insulating roof material under it. Pro Bond Ultra Cover Board has been certified for adhesion to several LWIC manufactured products as well as adhesion and heat from Hot Mop applications and has been lab and field tested for adhesion with many different adhesives used in the roofing industry.</p>		
MIXING & USE INSTRUCTIONS		
<p>MIXING INSTRUCTIONS: NOTE: Pro Bond Ultra Cover Board is a "just add water" dry polymeric concrete mix. SLOPING: Use 2.75 – 3.75 QUARTS (2.60 - 3.54 L) WATER per 50# (22.68kg) bag. Start at 2.75 Quarts of water and add more water as needed. PUMPING: Recommend a 30+ GPM Max Discharge rate pump with capacity of 8 to 10 - 50# bag batch minimum (Strong Super80 or Placer type). Use 4 – 4.5 QUARTS (3.78 – 4.25 L) WATER per 50# (22.68kg) bag (start with 4 Quarts and add more water as needed). Allow the mix to semi-self level and then use a magic trowel, squeegee, gauge rake, screed board, or trowel to smooth out areas where needed to create a strong and durable flat surface for the application of varied roofing membranes. NOTE: More/Less water may be required depending on air temp., humidity, and water mineral content as water chemistry varies by location. MIXING: Add water to container first then add dry mix. Use cool, clean potable water and in hot climates you can ice your water. Mix for 3 minutes with mechanical mixer after all dry material has been added to water, add more water, if necessary, not to exceed maximum amounts listed above without testing workability and dry time. APPLICATION: For Pumping (see pumping instructions above). For Troweling, you can trowel tight over Lath, use a gauge Rake, Smoother, squeegee, or a magic trowel. DRY and SET TIME: Varies by thickness from 1 to 24 hours.</p>		
PRODUCT USES		
Most Common Use & Finishes (Not a Complete List)		
<p>Flat roof or low slope roof cover board for adding strength and durability to the roofing system and protect the insulating material underneath the cover board. As a monolithic flat, durable roofing cover board creating a stable substrate for the application of EPDM, TPO, PVC, Hot Mop and other roofing systems or materials as well as add protection from hail. To create positive slope up to 4" thick to redirect water to scuppers, drains or off the roof edges. As a cover board in a LWIC and other insulated roofing systems.</p>		
PRODUCT CAUTIONS		
<p>Product must be installed over a stable substrate using proper preparation and installation procedures. All loose materials, or materials that are likely to come loose, must be removed from substrate before product is applied to reduce the risk of delamination. Recommended temperature of air and surface for Pro Bond Ultra Cover Board application is 40-95F (4.4 to 35C). Ideal temperature for application is 70F (21.11C). Make sure surface area is cool before applying. If forecast or substrate temperature is below 40F (4.4C) at the time of application DO NOT proceed with application. Pro Bond Ultra Cover Board is highly adhesive and will adhere to just about everything so make sure to clean any excess Pro Bond Ultra Cover Board material off tools, work area surroundings, etc., before it fully cures.</p>		
PRODUCT PHYSICAL PROPERTIES		
ITEM	TESTED, MEETS OR EXCEEDS	RESULTS or MEETS OR EXCEEDS
Compressive Strength:	ASTM C 39	5,100 psi
Flexural Strength:	ASTM C 78	1,210 psi
Bond Strength	MIL-D-3134 Para 3.7.14 (shear from steel plate after 96 hours)	312 psi
Abrasion Resistance	ASTM F510 / 1252 FTIR	PASS
Water Absorption	ASTM D570	PASS (average 6.3%)
Chemical Resistance	ASTM D 2299	PASS (9 reagents)
Accelerated Aging	ASTM D756	PASS (3 cycles)
Weather Testing	ASTM G155	PASS (2,000 hrs)
Impact Resistance - Average Impact Damage Score	ASTM D3746	2.8
Tensile Strength	ASTM C-190	490 psi
Tensile Strength (weathered, aged)	ASTM D751	PASS
Freeze Thaw	ASTM C67	PASS (150 cycles)
Polymers & Modifiers in Concrete	ASTM C-1438	COMPLY
Flame Spread / Smoke Development	ASTM E-84 - 19b	Class A
Percolation	48in water for 48 Hr Tests	PASS
Resistance to Elevated Temperatures:	MIL-D-3134, Para. 4.7.5.1	No Flow or Slip

TECHNICAL DATA SHEET

Pro Bond Ultra Cover Board

See SDS Sheet for Physical Properties and Safety Information							
PRODUCT BENEFITS							
One Component Mix. No Liquid Polymers to add. Just add water on Job site.	No VOC (volatile organic compound) emission						
Reinforced with Latest, State of The Art Polymers and Fibers.	Contributes to USGBC credits under LEED rating system.						
Polymers used are "non-hydrophobic" & will not weaken or re-emulsify in standing water.	Abrasion and wear resistant						
Application Flexibility: Pump, Screed Rake, Trowel, Magic Trowel, Squeegee	Extremely Self Adhesive						
Warranted bondability	Water clean up						
Moisture tolerant and breathable	Can be applied thin or deep fill						
Can be mixed thicker for Sloping							
PRODUCT CLEANABILITY							
As a Top Coat, once dry...Pro Bond Ultra Cover Board is similar to standard concrete surfaces and the same cautions and cleaning procedures apply. In other words, if it will soak in and stain concrete, it will soak in and stain Pro Bond Ultra Cover Board. In general, the more aggressive the finished surface the greater the coefficient of friction and corresponding skid resistance, and the more difficult to clean. The smoother the finished texture the easier the surface is to clean, but there is a loss of skid resistant properties. As a precautionary step, Stone Edge Surfaces recommends that the end-user test their cleaning and disinfecting compounds on a small non-conspicuous area before use.							
PRODUCT COVERAGE							
Coverage may vary depending on conditions, amount and type of water used, application methods, skill level, and overall thickness of your application, your results may vary. Average coverage per 50 Lb bag:							
Thickness	1/4" Thick	3/8" Thick	1/2" Thick	3/4" Thick	1" Thick	1.5" Thick	2" Thick
SQFT Covered Per Bag	24	16	12	8	6	4	3
PRODUCT SHELF LIFE							
If properly stored, the expected shelf life can exceed 6-12 months. However, it is recommended that product be used as soon as possible after delivery. Rotate stock to use oldest inventory first. Store under roof and keep dry.							