

# Ultra-Flex™

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# TEMP-COAT®

Brand Products, LLC

No. 1025-3

## Ultra-Flex™

URETHANE COATINGS  
CELEBRATING 15  
YEARS OF  
EXCELLENCE

## REDI SPEC

### I PRODUCTS

**Ultra-Flex 4000™**  
**Ultra-Flex 5000™**  
**UF TROWEL GRADE**  
**UF WHITE TOP COAT**  
**POLYMER CLOTH**  
**NOTCHED TROWEL**  
**GRANULATED RUBBER FILLER**

### II TESTING & APPROVALS

UF 4000™		ASTM
Density, pcf	60.86	
Tensile Strength, psi	1150	(D 412)
Elongation %	> 350	(D 892)
Tensile Modulus, psi	1011	(D 412)
Tensile Ext. to break,	5.4"	(D 624)
Graves Tear, pl 20" min.	144	(D1004)
Graves Tear, pl 2" min.	140	(D2240)
Shore A Hardn. Inst-5sec.	50-55	(D 471)
Water Absorption % wt. +	0.31	
% Solids	90% (+/-2%)	
Moisture Vapor Trans.	0.02	(E 96)

UF 5000™		ASTM
Density, pct	60.86	
Tensile Strength, psi	1392	(D 412)
Elongation %	247	(D 892)
Tensile Modulus, psi	1321	(D 412)
Tensile Ext. to break,	5.4	(D 624)
Graves Tear, pl 20" min.	230	(D1004)
Graves Tear, pi 2" min.	228	(D2240)
Water Absorption % wt.+	0.31	
% Solids	90% (+/-2%)	
Moisture Vapor Trans.	0.02	(E 96)

### III DESCRIPTION

Ultra-Flex™ is a high performance

poured in place Liquid Urethane coating that offers just about everything. It is a black, two part liquid product that forms into a tough Durable, low VOC, coating that has many uses including but not limited to roof surfaces, water tower restorations tank liners, potable water tank reconstitution, sewer plant liners, ship and seaboard rust protection, piling coatings, boat bottom coatings, bridge repairs etc. This is a very safe and easy cold application, no torches, no hot kettles, glues, tapes or heat guns. This rapid cure system promotes a minimum down time during application. This product offers the ideal solution to many roofing and water proofing applications.

*Make up:* Ultra-Flex™ is a very high quality urethane product and a highly proprietary formula. This product is extremely resilient and very low in voc's. The base product is high grade of asphalt with pH balances and a part "B" catalyst for activating.

*Product Limits:* Ultra-Flex™ is a very tough and resilient product with many uses. Please read the chemical analysis \ Sheet for product testing for use on numerous chemicals. Ultra-Flex™ is not a good tank liner for many acids and hot petroleum based products. Be certain to understand and test your usage of this product before full application. As a roof coating, the use of Ultra-Flex™ requires additional Consideration when used over tar surfaces.

*Other properties:* As a roof surface replacement, Ultra-Flex™ has distinct advantages because it can be used directly over most roofing materials without removing the old, plus, it forms a seamless, continuous surface which is much less apt to cause leaks or cause separation problems. Ultra-Flex™ chemically hardens therefore it can be worked in any reasonable temperature. Surfaces must be dry as excessive moisture or wetness will cause bubbling or foaming.

### IV APPLICATION

Ultra-Flex™ IS A TWO PART, (9 TO 1) MIXTURE THAT IS SOLD AND DELIVERED IN TWO CONTAINERS EQUALING 5 U.S. Gallons. When the sight is prepped and ready, the products are mixed in the Part" A" container for a minimum of 3 minutes. Pot life is approximately 30 minutes and the mixed product cannot be reused.

The thickness of the application varies with the job requirements. Roof Surfaces are only warranted if the thickness applied exceeds 60 mils ( 60/1000 of an inch). Depending upon the nature of the job, Ultra-Flex™ can be installed with a brush, trowel, roller or airless spray. For complete details on sealing and performing a roofing task, see the entire installation instructions

Ultra-Flex™ offers a vertical grade and a white top coat if solar reflectance is required. This white product is ENERGY STAR approved and is a tremendous help in conserving electricity. There is also a cloth available to be used to seam bind failing seams or to use for re-construction of an entire roof. Again, complete instructions are available.

*Approximate Coverage:* Is 100 sq. ft. per 4 gallons at 60 mils, (60/1000 of an inch) for roof top applications. Thinner or thicker installations may be required on different applications. Ultra-Flex™ has proven to be an important product in the rehabilitation of Transite roofs in industry. Consult TEMP-COAT@ Brand Products for installation assistance.

*Clean-Up:* ULTRA-FLEX™ is a hydrocarbon based product and cleans up with mineral spirits. Any clean-up desired should be accomplished immediately as once the product cures, cleaning is virtually impossible.

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## ULTRA FLEX PRODUCT INSTALLATION GENERAL INSTRUCTIONS

DETERMINE COMPOSITION OF ROOF TO BE COATED. IF ROOF IS A BUILT UP TYPE, USE MINERAL SPIRITS TO DETERMINE IF IT IS TAR OR ASPHALT. IMPORTANT: RUB ROOF SURFACE WITH CLEAN WHITE CLOTH SOAKED IN MINERAL SPIRITS. IF STAIN ON RAG IS YELLOWISH OR GREENISH BROWN. IT IS PROBABLY ASPHALT. IF STAIN IS BLACK TO DARK BROWN. IT IS PROBABLY TAR. SPEAK TO TEMP-COAT@ BRAND PRODUCTS BEFORE APPLYING ON A TAR ROOF SURFACE.

BE CERTAIN THAT SURFACE IS FREE FROM GREASE AND DIRT. PRESSURE WASHING BEFORE INSTALLATION IS ADVISED IF AT ALL POSSIBLE. OTHERWISE WASH ROOF USING A STRONG SOAP SOLUTION AND RINSE SEVERAL TIMES ALLOWING ROOF TO DRY THOROUGHLY BEFORE APPLICATION.

SLICE OPEN ALL BLISTERS, DRY SUBSTRATE AND CLOSE BLISTERS OVER ULTRA-FLEX USING POLYESTER CLOTH WHERE NECESSARY TO REINFORCE REPAIRS.

IF THE ROOF HAS BEEN PAINTED WITH AN INEXPENSIVE OR PEELING ROOF SEALER (OR REFLECTIVE SEALER) REMOVE AS MUCH AS POSSIBLE. MANY OF THESE PRODUCTS CONTAIN ALUMINUM OR GRAPHITE THAT CAN RESTRICT ADHESION.

PERFORM WHATEVER PATCH AND REPAIR WORK IS NECESSARY TO PREPARE ROOF FOR COATING.

OPEN PART "A" AND MIX THOROUGHLY SO THAT THE HEAVY MATERIALS AT THE BOTTOM OF THE CONTAINER WILL BLEND COMPLETELY USING A STANDARD SHEETROCK MUD PADDLE AND A 1/2 INCH DRILL MOTOR. MUCH OF THE BINDER IS AT THE BOTTOM OF THE CONTAINER. MIX AT LEAST THREE MINUTES OR UNTIL THERE IS NO MORE HEAVY MATTER AT THE BOTTOM OF THE CONTAINER.

ADD PART "B" AND MIX FOR AT LEAST THREE (3) MINUTES MOVING THE MIXING PADDLE UP AND DOWN IN THE CONTAINER, MAKING CERTAIN THAT THE TWO PARTS BLEND THOROUGHLY.

APPLICATION WHENEVER POSSIBLE, SHOULD BE PERFORMED WITH A NOTCHED TROWEL OR SQUEEGEE FOR AN EVEN THICKNESS OF 60 MILS. USE POLYESTER CLOTH OVER ALL SEAMS, PROBLEM AREAS AND EXPANSION JOINTS, COATING THESE AREAS TWICE FOR ADDED STRENGTH AND PROTECTION.

WARRANTY IS ONLY EFFECTIVE IF THE PRODUCT IS INSTALLED AT A 60 MIL OR BETTER (60/1000 OF AN INCH). THIS RELATES TO 4 GALLONS PER 100 SQUARE FEET.