



Underlayment Waterproofing for Lightweight & Standard Concrete.

UNDERLAYMENT WATERPROOFING

DESCRIPTION & USE

The MULTICOAT UNDERLAYMENT WATERPROOFING SYSTEM is a multi-layer protective coating which combines an elastomeric waterproofing membrane, MULASTICOAT, with resin modified cementitious top coating, MULTI-BASE. This system is designed as an underlayment waterproofing material to be topped with lightweight concrete, hard rock or similar materials for balconies and walkways. It can be applied to plywood, OSB, concrete and most other surfaces in need of waterproofing.

ADVANTAGES:

- Low Cost
- Superior Waterproofing
- Hard and Durable,
- Excellent Weather-Salt-Fire Resistance
- Maintains Surface Integrity over Minor Surface Movements.
- Water base—Green Friendly
- High Impact and Abrasion Resistance
- Chemical Resistant for Pool Decks
- Superior Bonding to Substrate

SURFACE PREPARATION:

Substrate must be structurally sound, free from all grease, oil, paint, dirt, dust, sealers, laitence, curing compounds, and other foreign materials which may prevent proper bonding. Substrate should be constructed and designed with all applicable building codes.

Plywood/OSB substrate: Moisture content should be below 15%. Use moisture meter to check. All above grade decks should be properly vented, sloped and flashed, including tongue and groove plywood/OSB, must be 5/8" minimum thickness, 16" minimum support spacing, edges blocked, all fastened with 8 penny ring shank nails or equivalent, on maximum 6" centers. Plywood and OSB must be nailed on all four edges. A 2.5 metal lathe is to be stapled 3" on centers, all edges overlapped 2" and stapled 1" on center.

Concrete substrate: Repair cracks with Multicoat's Speed Bond Crack Repair material. (See Instruction Sheet) All holes, or voids, need to be filled with Multicoat's Speed Mix Hydraulic Cement. (See Instruction Sheet)

Note: Refer to Mulasticoat, Scratch Kote 2000, and Speed Mix data sheets for more detailed product information.



ON PLYWOOD: TROWEL MULTI-BASE INTO METAL LATHE. NO LATHE IS USED OVER CONCRETE SUBSTRATE.



TWO COATS OF "The Blue Stuff" WATERPROOFING MEMBRANE/ MULTICOAT BASE.



DEPENDING UPON SCOPE OF THE JOB, SCRATCH KOTE 2000 IS TROWELED OR ROLLED OVER MULASTICOAT, COVERING COMPLETELY.



INSTALL WEARING SURFACE. PLACING OF TILE IS BEING DEPICTED. OTHER WEARING SURFACES MAY BE USED SUCH AS: STONE, BRICK, PAVERS, CONCRETE, ETC.



APPLICATION

Flash all posts, drains, coves, penetrations, and other irregularities with MULASTICOAT. Embed stitch bond polyester fabric into wet MULASTICOAT. Then apply additional MULASTICOAT to saturate fabric, and allow to dry. Appropriate drip edges should be used as per local building codes.

PLYWOOD: Mix and install MULT-BASE into metal lathe and trowel to thickness of lathe so that the lathe is visible but not felt. Allow to dry. Apply MULASTICOAT over entire area in two coats with brush, roller, airless sprayer or hopper gun. Allow first coat to dry to touch, usually 1-2 hours depending on ambient air temperature. Apply second coat in a criss-cross pattern to first coat. Immediately broadcast sand into the 2nd coat of Mulasticoat while it is still wet. After product has dried completely, but prior to application of SCRATCH KOTE 2000 brush off loose sand from substrate. Allow MULASTICOAT to fully dry. Once second coat has dried, mix and apply (roller, trowel or hopper gun) a coat of SCRATCH KOTE 2000 and allow to dry (follow directions on SCRATCH KOTE 2000 and MULASTICOAT INSTRUCTION SHEET).

CONCRETE: Apply MULASTICOAT over entire area in two coats with brush, roller, airless sprayer or hopper gun. Allow first coat to dry to touch, usually 1-2 hours depending on ambient air temperature. Apply second coat in a criss-cross pattern to first coat. Immediately broadcast sand into the 2nd coat of Mulasticoat while it is still wet. After product has dried completely, but prior to application of SCRATCH KOTE 2000 brush off loose sand from substrate. Allow MULASTICOAT to fully dry before proceeding with SCRATCH KOTE 2000. Mix and apply SCRATCH KOTE 2000. (Follow directions on SCRATCH KOTE 2000 and MULASTICOAT INSTRUCTION SHEET).

Once the SCRATCH KOTE 2000 has dried continue with wearing surface installation. Light Weight Concrete, Brick, Stone, Tile can be mortared and set directly onto SCRATCH KOTE 2000.

NOTE: Be careful not to puncture deck surface when applying finish material as this will compromise the waterproofing membrane and cause leaks.

LIMITATIONS:

Do not apply if substrate temperature is below 40°F or above 100°F, or if ambient temperature below 40°F above 100°F.

Do not apply if precipitation is expected within a twenty four (24) hour period.

DO NOT ALLOW MULASTICOAT TO BE EXPOSED FOR MORE THAN 24 HOURS.

DO NOT ALLOW MULASTICOAT TO GET WET DURING INSTALLATION OR DRYING.

Not responsible for cracks or delaminations caused by structural movement, improper substrate, improper construction or application.

COVERAGE:

MULASTICOAT: 80 to 100 sq. ft. per gallon
Stitch Bond Polyester Fabric: 10" x 324' rolls
MULTI-BASE: 60 to 80 sq. ft. per bag
SCRATCH KOTE 2000: 175 sq. ft. per bag

TEST DATA:

See MULASTICOAT and SCRATCH KOTE data sheets for testing results.

PACKAGING AND STORAGE

MULASTICOAT: 1 gallon cans, 5-gallon pails, 55-gallon drums, 275-gallon totes.
Stitch Bond Polyester Fabric: 10" x 324' rolls
MULTI-BASE: 65-lb Bags
SCRATCH KOTE 2000: 65-lb Bags

Store in a dry environment 40 to 90 Deg F. Store away from direct contact with ground or concrete. Protect from weather and other damage. Shelf life is approximately 18 months on unopened liquids and 24 months on unopened bags.

DAMAGE LIMITATION

Seller shall not be liable for any damages, injury, loss, direct or consequential, resulting from its products. The parties intend that the limitation of damages, including consequential damages, applies even if the exclusive remedy provided for herein fails of its essential purpose.

EXCLUSIVE REMEDY

Seller's sole obligation, and buyer's exclusive remedy shall be to replace material if found to be defective.

WARRANTY DISCLAIMER

There are no warranties which extend beyond the description of the fact hereof. Seller expressly disclaims all other warranties regarding the use of its products, whether expressed or implied, including the implied warranties of merchantability and for fitness of a particular purpose. Since use of the product is beyond the Seller's control, the Buyer assumes all risk of use.

WARRANTY

Materials are guaranteed with respect to uniformity and quality within manufacturer's specifications.

TEST DATA - MULASTICOAT "The Blue Stuff"

1.	Tensile Strength.....	ASTM D2370.....	PSI 203
2.	Elongation.....	ASTM 2370.....	1148%
3.	Tensile Bond Adhesion, PSI.....	ASTM C297.....	162 Cohesive
4.	Static Hydrostatic Pressure.....	ASTM C 1306.....	Pass>45PSI
5.	Hydrostatic Head.....	12" Water/Film@40mil.....	Pass 96hrs/No Effect
6.	Low Temperature Flexibility		
	Mandrel Bend.....	ASTM D522.....	1/2" Room Temp Pass
			1" @ -5°F Pass
			1/2" @ -5°F Pass

TEST DATA - MULTI-BASE / SCRATCH KOTE 2000

1.	Weatherometer.....	ASTM G23.....	2000 Hours Passed
2.	Compressive Strength.....	ASTM C109.....	2595 PSI @ 45 Day Air Cure
3.	Abrasion Test.....	ASTM 1242A.....	1000 Cycles/1000 grams
4.	Freeze Thaw.....	ASTM C67.....	50-Cycle Pass
5.	Impact Resistance.....	MIL-D-3134F.....	Passed



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