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DESCRIPTION: Proline's Elastomeric is a unique water-based waterproofing membrane formulated with a non-ionic, carboxylated, styrene butadiene copolymer latex. It dries to a durable, tough film with high water resistance. It is flexible and elastic and bonds exceptionally well to concrete and wood surfaces.

TYPICAL USES: Elastomeric is used in the Proline Crack Repair System to secure the 4" Reinforcement Fabric over the Epoxy in the cracks. It is also used to waterproof concrete and wood decks and balconies prior to applying a Proline Polymer Concrete Resurfacing System. It is used in combination with Reinforcement Fabric to provide a reinforced watertight seal. It can be used as a basecoat on masonry walls such as concrete, brick, stucco and block to help bridge cracks and provide complete waterproofing. It is used as a waterproofing underlayment for tile and other flooring and wall materials and as a below grade waterproofing membrane for foundation, basement, and planter walls.

FEATURES & BENEFITS:

- Can be applied using a 3/4" nap paint roller
- Waterproofs concrete and wood decks

CHEMICAL PROPERTIES

Return to Service Time (Vehicle Traffic)

8-12 hours

Coverage Rate per Gallon

100 sq.ft. per coat

TYPICAL PHYSICAL PROPERTIES

	<u>Test</u>	<u>Result</u>
Adhesion 7 day dry / 7 day wet		
-cementitious board	156 psi	Cohesive substrate failure
-exterior plywood	89 psi	Cohesive substrate failure
-polystyrene	48 psi	Cohesive substrate failure
-thinset to membrane	395 psi	Tile to thinset / tile failure
Tensile Strength (psi)		
7 day dry	ASTM D-638	335
7 day dry / 21 day wet		562
Low Temp Flex & Crack Bridging	ASTM C-836	no cracks
Shear strength, > 50 psi	ANSI 118.10	
7 day		200 psi
7 day water immersion		150 psi
4 week		355 psi
12 week		389 psi
100 day water immersion		194 psi
Seam Strength		
- minimum		8 lb/in width
- maximum		10.2 lb./in width
Breaking Strength		
- minimum		170 psi
- maximum		401 psi
Dimensional Stability - maximum 0.70% length		0.70% change
Elongation (%) - 7 day dry	ASTM D-638	580
- 7 day dry / 21 day wet		657
Damp-Proofness – no visible water penetration after 48 hours		passes



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Fungus & Micro-organism Resistance – membrane shall not support mold		passes
Permeability	ASTM E-96	0.013
Water Vapor Transmission	ASTM E-96	
-Rate of Transmission (grains/hr/sqft)		0.085
Hydrostatic Resistance - Procedure B	ASTM D-751	passes

SURFACE PREPARATION: The surface must be clean and free of dust, loose material and any contaminants that may interfere with bonding. Clean concrete surfaces by shot blasting or power scrubbing with detergent, acid washing, neutralizing and pressure washing. Wood surfaces can be cleaned by power sanding.

APPLICATION INSTRUCTIONS - MOST COMMON:

CRACK REPAIR - Elastomeric is used in the Crack Repair System to lay the 4" Reinforcement Fabric over cracks filled with Epoxy. See the Proline Crack Repair Instruction Booklet with step-by-step pictures for detailed application instructions.

WATERPROOFING PLYWOOD DECKS - To waterproof a plywood deck that is properly constructed according to local building codes and already has flashing properly installed around the walls and edges of the deck follow the procedure below. Prepare Surface - Lay 15 lb. roofing paper over the wood deck. Lay the paper in straight rows staying 1" away from all the edges. Start from the low side of the deck and work towards the high side with each row overlapping a few inches onto the previous row. Lay the paper starting at the bottom of the slope, so if it rained the water would run off the paper and not under the paper onto the wood.

Install Galvanized Metal Lath - Lay galvanized metal lath over the 15 lb. roofing paper and the entire deck. Be careful that the edges of the lath do not line up over the seams of the plywood. Butt the metal lath edges together. Staple the metal lath every 4" along seams and edges and every 4 – 6" everywhere else. Use 3/4" galvanized staples. Keep the metal lath 1" back from all the perimeter edges. Do not allow metal-to-metal contact of dissimilar metals such as copper to avoid deterioration and corrosion by electrolysis.

Apply Proline's Polymer Concrete - Patch over the metal lath using Pro-FastPatch or Pro-Texture, approximately 3/16" thick, to completely embed the lath.

Apply Elastomeric - After the polymer concrete mix dries for at least 12 – 24 hours, begin rolling the Elastomeric at one corner of the deck approximately 3.5 feet wide by 5 feet in length. Roll the Elastomeric at a coverage rate of 100 sq. ft. per gallon using a 3/4" nap paint roller.

Lay Proline's Reinforcement Fabric into the Wet Elastomeric Basecoat - Lay the 40" roll of Reinforcement Fabric into the wet Elastomeric, so it is lined up next to both edges or walls at the starting corner. It should be overlapping the flashing and as close to the edge or wall as possible. Once the fabric is lined up and ready to roll, begin rolling the Elastomeric ahead of the fabric a few feet at a time. Immediately roll the fabric over the Elastomeric while it is still wet. As the fabric is being rolled be sure to keep it lined up straight with the starting edge or wall of the deck. After rolling several feet of fabric, roll another coat of Elastomeric at approximately 100 sq. ft. per gallon on top of the fabric so it is completely saturated and secured in place. While the topcoat of Elastomeric is still wet, lightly broadcast some #60 silica sand over it to provide a fine sandpaper finish when dry. The sand texture will provide an extra mechanical bond for the polymer concrete or other mortar mixes to bond to.



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Note: The person laying the fabric should wear baseball cleats or golf shoes to be able to walk on the fabric and the Elastomeric without picking it up on their feet. If any wrinkles appear in the fabric as it is being rolled out, use a wall paper brush to rub them flat. Start in the middle of the fabric and work the wrinkles out to the edges. If the fabric gets out of alignment during the application, immediately pick it up by the ends of the roll, lift it as far back as needed and lay it back down lined up next to the starting edge, then roll over it again with the Elastomeric Basecoat.

Lay more rows of fabric overlapping the first row - Once the first row of fabric is finished being laid down to the opposite end of the deck or at a designated stopping point, cut the fabric using some scissors or a knife and continue rolling the Elastomeric and laying more rows of fabric next to the first row. Overlap each row of fabric 2.5 – 3" on top of the previous row. Continue laying rows of fabric over the Elastomeric and rolling Elastomeric on top of the fabric until the entire deck is covered. Remember to lightly broadcast #60 silica sand into the topcoat of Elastomeric, then allow it to dry 8 – 12 hours or until thoroughly dry.



Apply Elastomeric ahead of reinforcement fabric at a rate of 100 sq.ft. per gallon



Roll the fabric into the wet Elastomeric a few feet at a time.



Apply Elastomeric on top of the fabric at 100 sq.ft. per gallon after rolling several feet and lightly broadcast #60 silica sand over top.



When you reach of the end of the deck cut the fabric with scissors or knife and start laying the next row.



Lay the next roll of fabric so it overlaps the edge of the prev. row 2.5 – 3". Continue laying Rows of fabric until the whole surface is covered.



If applying a thin coating system over fabric, it is necessary to first patch the seams with Pro-Surfacer using a trowel or squeegee. Then Apply Pro-Surfacer over entire surface to blend.



SUBSTRATES: Concrete, wood, brick, stucco

HOW SUPPLIED: Elastomeric is supplied in one gallon and five gallon pails.

SAFETY PRECAUTIONS: Health Considerations: Consult the Proline's Safety Data Sheets

This chemical system requires the use of proper safety equipment and procedures. Please follow the Proline product MSDS and Safety Manual for detailed information and handling guidelines.

For Your Protection: The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of Proline. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested.

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