

**SOMAY Product No. 814-01
Rubber Waterproofing Coating for
Use on Flat Roofs with Ponding Water
Color: "Reflective White"**

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SOMAY Rubber Waterproofing Coating is a premium quality, single-component, solvent-thinned liquid rubber copolymer resin-based elastomeric waterproofing coating for flat roof surfaces to stop water leaks and provide long-term roof protection. It can be used on flat roofs on which water collects in puddles (sometimes called "ponding water") during a rainstorm, wherever the roof surface is flat and water does not completely drain off the roof.

PRODUCT BENEFITS: SOMAY Rubber Waterproofing Coating can be used directly on, and will seal, waterproof, vapor proof and protect, practically any smooth, structurally sound roof or deck surface, including EPDM, APP, TPO, built up roofs (BUR), dried and thoroughly cured asphalt, modified bitumen, tar paper, 90# "slate", cap sheet, concrete, transite, polyurethane foam (PUF), wood, masonry, rubber, "Hypalon" and metal, including aluminum, copper, tin, steel, galvanized steel, zinc, etc.

SOMAY Rubber Waterproofing Coating will bridge hairline cracks and is engineered with permanent flexibility so it will move, expand and contract (it has 500% elongation) at least as much as the roof surface to which it is applied. It also has exceptional built-in toughness, so it can withstand normal impingement that might be experienced on a roof surface (it has a tensile strength of 1000 P.S.I.; and a Barcol Hardness of 50). It will protect the roof surface against rust, corrosion, ultraviolet (UV) exposure, ozone, acid rain and fungal attack. It can be applied to horizontal, vertical and pitched surfaces.

SOMAY Rubber Waterproofing Coating should be applied only to properly prepared, clean, completely DRY surfaces. Never apply to wet surfaces or roof structures that are infirm and/or saturated with moisture.

SURFACE PREPARATION: The secret of any successful coating application is proper surface preparation. Surfaces **MUST** be DRY and free of anything that could adversely affect the adhesion of the coating to the surface. A very simple test is to rub the palm of your hand across the surface to be coated; if anything comes off the surface onto your hand, it is not ready to be coated or painted. You should be sure to remove all loose, scaling, peeling, blistering, chipping, cracking, flaking, chalking or powdering paint; gravel, dust, dirt, sand, soot, grease, oil, uncured tar, wax, soap film or petroleum-based residue; lye, lime, coal tar, chlorine, salt, calcimine, efflorescence, or any other chemically reactive substance; and the surface to be coated must be completely free of all mold, fungus, mildew or any other growing organism of any kind.

High-pressure (we recommend a min. 2,500 P.S.I. at the tip of the gun) water blast should be used to thoroughly pressure clean all surfaces prior to the application of any coating.

Mildew and similar growths MUST be killed with a 2% to 5% chlorine solution (e.g. "Clorox" household bleach), followed by a thorough rinse with clean water. Then the surface MUST be allowed to thoroughly DRY.

It is more efficient and economical to develop a seamless waterproofing membrane with **SOMAY Rubber Waterproofing Coating** when it is applied to surfaces that are very smooth. Therefore, it is recommended that all cracks, holes and similar surface irregularities be filled and made as smooth as possible.

APPLICATION: **SOMAY Rubber Waterproofing Coating** MUST BE APPLIED FULL STRENGTH as it is supplied by the manufacturer. NEVER THIN, DILUTE or ADULTERATE with any other material. Any thinning will reduce the percentage of solids, which will adversely affect the adhesiveness, the hiding, the sealing ability and the durability of the applied coating. Stir product slowly, gently and thoroughly before and frequently during application, but be careful not to whip air into the product by mixing too vigorously.

APPLICATION RATE: The key to developing a waterproofing coating is the application of the proper coating thickness over the entire roof surface according to these instructions. The minimum dry film thickness should be 20 mils (= 20/1000 inch; = 508 microns (or micrometers)). To develop this minimum dry film thickness, **SOMAY Rubber Waterproofing Coating** should be applied to smooth, non-porous surfaces (such as plate glass) at the rate of no more than 70 sq.ft./gallon (U.S.) per coat, or 20 mils wet film thickness to develop 10 mils dry film thickness per coat, and a minimum of two (2) full coats should be applied as evenly and smoothly as possible, to develop 20 mils dry film thickness across the entire roof surface.

Roof Area Sq. Ft.	SOMAY Rubber Waterproofing Coating, 814-01			Total Gals. Min. for Both Coats
	1 st Coat (Min. Gals.)		2 nd Coat (Min. Gals.)	
100	1.4	+	1.4	= 2.8
200	2.9	+	2.9	= 5.8
400	5.7	+	5.7	= 11.4
600	8.6	+	8.6	= 17.2
800	11.4	+	11.4	= 22.8
1,000	14.3	+	14.3	= 28.6
1,200	17.1	+	17.1	= 34.2
1,400	20.0	+	20.0	= 40.0
1,600	22.9	+	22.9	= 45.8
1,800	25.7	+	25.7	= 51.4
2,000	28.6	+	28.6	= 57.2

Please note: Application rates are the theoretical minimum number of gallons which should be applied to a smooth, non-porous surface. Therefore, the applicator must make allowances for and use more material depending on the roughness and porosity of the roof surface; and must make allowance for wastage and less than 100% transfer efficiency.

APPLICATION METHOD: An easy, practical and effective application method is to use a broom with long, very soft bristles, laying the **SOMAY Rubber Waterproofing Coating** onto

the surface to create a smooth, even, continuous, seamless, waterproofing membrane. A thin nap, phenolic core roller may also be used, but do NOT roll back and forth too quickly, as this may result in whipping air bubbles into the coating, which can result in voids in the coating when the bubbles pop! When using a roller, do NOT put much pressure onto the roller and do not try to stretch the **SOMAY Rubber Waterproofing Coating** further than 70 sq.ft./gal. per coat, or you will not develop the proper coating thickness required for waterproofing purposes.

SPECIAL SITUATIONS: To reduce the chance of color bleed through, do NOT apply directly over asphalt or tar, unless a prime coat of **SOMAY "Polaroof R.A.C."** is applied first, prior to the application of **SOMAY Rubber Waterproofing Coating**. One need use **SOMAY Rubber Waterproofing Coating** only on the specific areas of a roof where water forms puddles during a rainstorm. All the rest of the roof surface that drains properly, so there is no ponding water after a rainstorm, can be sealed and waterproofed using **SOMAY Elastomeric "ROOF MASTIC"**, Sealer & Protector, which is waterborne, easier to apply and less expensive. When using this combination of coatings to totally waterproof your roof, always apply both coats of the **SOMAY Rubber Waterproofing Coating** first, and after they have dried and cured, then apply the **SOMAY "ROOF MASTIC"** over the rest of the roof surface, overlapping on top of the **SOMAY Rubber Waterproofing Coating** a couple of inches around the ponding water areas where you have applied the **SOMAY Rubber Waterproofing Coating**.

SOMAY Rubber Waterproofing Coating can be reinforced with **SOMAY "POLY-MESH"** to make a flexible, waterproof flashing around vents, stacks, chimneys or similar protrusions through the roof surface, or over joints or surface junctions such as at a parapet, in roof valleys or gulleys, etc. Just apply a coat of **SOMAY Rubber Waterproofing Coating**, then while it is still wet, imbed the **SOMAY "POLY-MESH"** reinforcing membrane into the wet **SOMAY Rubber Waterproofing Coating** ... let dry ... then apply a second coat of **SOMAY Rubber Waterproofing Coating**.

COATING DURABILITY: When properly applied to properly prepared roof surfaces, conscientiously following these instructions to develop a 20 mils dry film thick coating, this coating is anticipated to provide a number of years of satisfactory service, but this is not warranted by the manufacturer or the distributor, since the results from the use of this product involve many factors beyond the manufacturer's or the distributor's control.

PRODUCT LIMITATIONS: This coating is NOT intended for use on: WET, damp, frozen, or improperly prepared surfaces, and should not be applied to roofs which are infirm, structurally unsound or saturated with moisture. Do NOT apply over tar or asphalt unless a prime coat of **"Polaroof R.A.C."** is first applied, since the solvents in this product may cause the tar or asphalt color to bleed through this product from the asphalt over which it is applied. Do NOT allow xylene or aromatic solvents to contact an applied coating of **Rubber Waterproofing Coating** as they could damage the coating.

This product is NOT recommended for application below normal grade or ground level; on the inside of tanks or pools; or on any surface where it will be subjected to any acts of carelessness which might cause a puncture or rupture of the waterproofing membrane, such as rough pedestrian traffic, the sliding movement of heavy equipment or heavy furniture, or the installation of air conditioners, antennas, vents, etc. through the waterproofing membrane.

COLORS: This material is stocked by SOMAY in “Reflective White”, which has 90% reflectivity. Other special colors may be available on a “Special Order” basis at extra cost, and will require payment with the order before placing the order on the manufacturing plant.

SHELF LIFE: In factory sealed, unopened containers, when stored indoors, out of direct sunlight, at ambient temperatures not exceeding 80° F: normally 12 months maximum.

WEATHER CONSIDERATIONS: Apply only at temperatures above 40° F (4.4° C), and when you are sure to have a full 24 hours of good drying weather, completely rain and dew free. Applied coatings of this product, once cured, remain flexible at low temperatures and will not flow or run at high temperatures.

DRYING TIME: SOMAY Rubber Waterproofing Coating cures by the evaporation of solvents from the formulation. Therefore, drying time will vary depending on both ambient and surface temperature, humidity, wind or air movement, exposure to sunlight, thickness of coating applied, etc. Under ideal drying conditions (i.e. 75° F (24° C) and 50% relative humidity), this product will cure sufficiently in approximately 24 hours to permit the application of the second coat. A longer drying time will be required if the air or surface temperature is below 50° F, if the relative humidity is higher than 70%, if the air is calm, if the surface is not exposed to direct sunlight, or if a coat more than 20 mils wet film thickness is applied. Be sure first coat is thoroughly dry and cured prior to the application of the second coat.

CLEAN UP: Use Xylene to IMMEDIATELY CLEAN UP SPILLS OR DRIPS FROM WALKWAYS, DRIVEWAYS, etc., **BEFORE** this product is allowed to set up. Clean brushes, rollers, tools and other equipment immediately after use with Xylene.

MAINTENANCE OF COATED ROOF SURFACE: If the surface becomes dirty, wash with a mild soapy water solution. If mildew appears on the surface, kill it with “Clorox” as soon as possible. If an area becomes nicked or cut, recoat with **SOMAY Rubber Waterproofing Coating** after properly preparing the area onto which more coating is to be applied. The applied coating is NOT resistant to damage from exposure to solvents such as Xylene (xylol), etc.

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DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPORS MAY CAUSE FLASH FIRE. HARMFUL OR FATAL IF SWALLOWED. VAPOR HARMFUL. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE IRRITATION. CAUSES SKIN IRRITATION. MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN. CAUSES NOSE AND THROAT IRRITATION.

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Keep away from heat, sparks and flame. **VAPORS MAY CAUSE FLASH FIRE.** Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. **USE ONLY WITH ADEQUATE VENTILATION.** Do not breathe vapors. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness, or if air monitoring demonstrates vapor levels are above applicable limits,

wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Follow respirator manufacturer's directions for respirator use. Close container after each use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

KEEP OUT OF REACH OF CHILDREN.

FIRST AID: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Call physician immediately.

If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

LIMITED WARRANTY/LIMITED LIABILITY:

Manufacturer warrants ONLY that at the time of purchase, its products were without manufacturing defects and did meet the specifications established for them. Since results from the use of its products depend on factors beyond Manufacturer's and Distributor's control, Manufacturer and Distributor DISCLAIM ALL OTHER WARRANTIES, either expressed or implied, INCLUDING, but NOT limited to, WARRANTIES OF MERCHANTABILITY AND FITNESS for particular purposes. User must assume full responsibility for: (a) determining the suitability of the product for his intended use, (b) understanding and following instructions, (c) preparing the surface properly, (d) applying the product correctly, and (e) obtaining the results desired from the use of the product. Manufacturer and its Distributor shall not be liable for any incidental or consequential damages arising from the use or misuse of its products. Manufacturer's and Distributor's liability is always limited to the original purchase price paid to Manufacturer and its Distributor. Purchase and/or use of the product constitutes complete acceptance of all the terms of this Warranty.

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