

NP815M TECHNICAL DATA (Acrylic Roof Caulking)

PRODUCT DESCRIPTION: NP815M is an acrylic self-plasticizing high solids roof material that withstands ultraviolet light, temperature extremes, mildew and normal foot traffic. This flexible acrylic will accommodate building movement without cracking or splitting.

RECOMMENDED FOR: Designed to fill deep voids around projections, repair splits, repair blisters, repair seams, seal fasteners, seal head laps and boltheads.

NOT RECOMMENDED FOR: Application over tar based roofing or EPDM rubber

SOLIDS BY WEIGHT: 83% (+,-3)

RECOMMENDED COVERAGE: Coverage depends on surface conditions and application procedures. Normally, one gallon per 6.0-6.5 square feet at 1/4" is typical (500 square feet per gallon for head laps and bolt heads.)

THEORETICAL COVERAGE: Depends on application methods

COLORS: Available in white only

RECOMMENDED DRY FILM THICKNESS: 200 mils dry film thickness will result from the recommended wet film thickness of 250 mils (maximum)

PACKAGING: Available in 5 gallon pails (net= 60 pounds, volume approximate)

RECOMMENDED APPLICATION EQUIPMENT: We recommend using a trowel or flashing gloves to apply material.

RECOMMENDED TEMPERATURE AND R.H. We recommend applications with temperatures above 50F and Relative humidity below 95% with no rain imminent within 24 hours.

TYPICAL PROPERTIES: (LIQUID FORM)		
PROPERTY	TEST METHOD	RESULTS
Viscosity	Brookfield viscometer	10000 poise
Density (#/gal.)	ASTM D1475 US standard weight per gallon cup at 77°F and 50% RH	11.3+/- 1.0
Particle size	ASTM D1218	<38 microns or hegman 4-5
Shelf life	Closed container @ 65°F	Maximum six months
Minimum film formation	ASTM D2354 temp 0 to 25°C	45°F (4.44°C)
Heat stability	10 days at 120°F then re-evaluated	Material stability maintained
Mildew resistance	ASTM D2574-86	Resistant to attack of micro-organisms in the can; no evident can swelling, no putrative or fermentive odors, no stringing structures, no noticeable viscosity change
Flash point	ASTM D3278 seta flash closed cup apparatus	Tested to 212°F (no flash)

Physical properties are typical values and not specifications. Please see reverse side for limitations of our liability and warranty.

TYPICAL PROPERTIES: (CURED FILM)		
PROPERTY	TEST METHOD	RESULTS
Hardness	ASTM D2240 shore A @ 75°F 50% RH. Barcol hardness tester model 3061	42
Accelerated weathering	ASTM G53 (5000 hours QUV accelerated weather tester UV-B lamps no. QES-40/280-315 nanometers (12 hr. QUV @ 60°C and 12 hr. con @ 50°C)	Excellent with no apparent degradation
Tensile strength	ASTM D412 @ 75°F and 50% RH. Test is result of medium value (for three)	21.3 psi
Elongation	ASTM D412 500 (+,-) 50 mm/min. @ 75°F and 50% RH	335%
Memory recovery		Nearly 100%
Reflectivity	ASTM E97	90%
Channel cracking	White pine 6"x1/2"x3/4" channel (1 wk cure, 50°C)	No cracking
Flexibility	-15°F, 1/2" dia. Mandrel 180° bend	Pass
Adhesion properties	Glass (adhesive failure)	3 pli
	Aluminum (cohesive peak)	15 pli
	Plywood (adhesive failure)	7 pli
	(pli= pound per linear inch)	

MIXING AND APPLICATION INSTRUCTIONS: NP815M Acrylic Roof Caulking

Store product in an area so as to bring the material to normal room temperature before using.

Mix the material thoroughly being sure to scrape the sides and bottom of the container. Continue mixing for another couple of minutes to insure a homogeneous mixture that is properly mixed. Mix the materials with slow speed mixing equipment or by hand mixing in order to minimize air being whipped into the coating.

Make certain that the substrate where the product is to be applied is clean, sound and free of all laitance, dirt, dust, oil, grease, or foreign contaminants. Wire brush or abrasive blast all loose and scaling rust from the roof.

Make certain that the roof temperature and the air temperature as well as any humidity recommendations are within the recommended ranges before applying the product.

NP815M can either be applied by trowel or using flashing gloves for hard to trowel areas. If reinforcement is deemed necessary, then apply NP815M and allow ample time for the material to dry until a firm skin is formed. Next, cut the polyester reinforcing fabric to cover the entire repair area with laps of at least 3" and then brush NP811FP beige onto the repair area, followed by the placing of the polyester material directly onto the wet beige NP811FP. Finally, dry brush the material from the center toward the outer edges of the repair to displace any entrapped air. Now, proceed with the normal sequence of application for NP815FP, 811FP beige, and 811FP white.

Allow sufficient time between coats, and remember, as temperatures become lower this product will require additional time to cure.

Always check the previous coat for foreign contamination before recoating. Clean or prepare the preceding coat if an inspection so warrants before applying any additional coats.

Take notice of the full cure time and do not open the area to abusive use before the full characteristics of the coating is achieved.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

*We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. **NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT.** We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.***

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