TECHNICAL DATA SHEET

ARMSILCON-PW HIGH SOLIDS SILICONE ROOF COATING

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PRODUCT DESCRIPTION

ARMSILCON-PW is a solvent-free silicone polymer roof coating. It is a one-component, moisture curing silicone rubber roof coating system designed to adhere onto existing smooth surface BUR, granulated cap sheet, well-adhered acrylic coating, concrete, metal, sprayed in place polyurethane foam and various single ply membrane roofing.

The system provides long-term protection because it resists degradation from ponding water, weathering oxidation, wind-driven sand, rain and snow, With it's high solids content and absence of hydrocarbon solvents, ARMSILCON-PW can be applied in excess of 40 mils in a single coat without blistering, while maintaining maximum adhesion.

PROPERTIES

APPEARANCE	WHITE, DARK GRAY, LIGHT GRAY, TAN
TOTAL SOLIDS (WEIGHT)	92%
COVERAGE	50 SF/GAL
TACK FREE TIME	1-2 HOURS
CURE TIME	1-4 HOURS
VOC	<50 G/L
FLASH POINT	141° F

DUROMETER HARDNESS, SHORE A, POINTS ASTM D-2240	37
TENSILE STRENGTH, PSI ASTM D-412	247
ELONGATION, PERCENT ASTM D-412	237
PERMEABILITY[1], PERMS ASTM E-96	10.7
TENSILE, SET AT 100 PERCENT ELONGATION	NIL
TEMPERATURE STABILITY RANGE, °C (°F)	- 37 TO 100 (-35 TO 212)
ACCELERATED WEATHERING, QUV 5,000 HOURS ASTM G 154	NO DEGRADATION
FLAME SPREAD ASTM E-108	CLASS A
INITIAL SOLAR REFLECTIVITY, ASTM C-1549	89
INITIAL THERMAL EMISSIVITY[2], ASTM C-1371	90
SRI VALUE[2]	113

[1]20 MILS AT 38°C (100°F) AND 90 PERCENT RELATIVE HUMIDITY
[2]APPLIES TO WHITE ONLY

STORAGE AND SHELF LIFE

This product has recommended shelf life of 24 months from date of when stored in unopened containers between 40°f - 80°f

COLORS

White, Tan, Light Gray, Dark Gray. Speciality colors available upon request

PACKAGING

Available in 5 and 55 gallon containers.

COMPOSITION AND MATERIALS

This coating is a 1-part ready to use material. It is a dispersion of silicon rubber. It can be applied easily to a dry, frost-free surface and cures at normal temperature and humidity in 1-4 hours by reacting with moisture in the air.

The information reported herein are based upon information reasonably available to armorgarage, Inc. at the time publication, and are presented in good faith but are not to be construed as warranties or guarantees, expressed or implied

INSTRUCTIONS

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PLEASE READ INSTRUCTIONS THOROUGHLY BEFORE APPLICATION BEGINS. FAILURE TO DO SO CAN RESULT IN PRODUCT FAILURE.

APPLICATION

Surfaces to be coated must be properly prepared. All surfaces must be clean, dry and free of loose particles. The coating can be applied with standard airless spray equipment or **applied by medium nap rollers.** For small touch up work a brush may be used. Recommended application is 50 sf/gal in one coat.
Can be applied over existing coating that are fully adhered to roof and not degraded.

SPRAY EQUIPMENT

Due to the high viscosity of the material, a high-pressure airless sprayer capable of producing a minimum of 3500 PSI at the spray gun head should be used. The pump should have a minimum of 3 gallons per minute output rate. Always use components rates for pump pressure. Hoses should be BUNA-N jacketed for prevention of moisture contamination. Hoses should have a minimum I.D. of 3/4" and an adequate working pressure. The spray gun should be high pressure (5000 PSI) with reverse-a-clean spray tip, having a minimum orifice of 0.030 and 50° fan tip.

MAINTENANCE

The life of the roof may be extended by regularly scheduled maintenance. A roof should typically be inspected at least twice a year. The roof immediately needs to be inspected following severe weather and extraordinary maintenance on roof-mounted equipmenT.

CLEANUP

Uncured coating can be cleaned and equipment can be flushed with VM&P Naptha or Mineral spirts.

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. N0 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.