SILIKON RC-95

PRODUCT TECHNICAL DATA SHEET

PPC SILIKON 95 is a high solid, single component moisture cure elastomeric silicone roof coating used to coat a variety of substrates; the primary intended use is on low slope roofs.

WHERE TO USE

- Ideal for use as a maintenance coating system to seal and repair existing low slope roofs.
- Provides a seamless water seal, protection against leaks, permanent ponding water and the damaging effects of severe weather on roofs and other substrates including:
  - ✓ Masonry
  - ✓ Concrete
  - ✓ Metal
  - ✓ Vertical walls
  - ✓ Single-ply membranas (TPO, PVC, Hypalon, EPDM, Modified-bitumen, Smooth and granulated surface BUR)
  - ✓ Sprayed-on urethane foam

ADVANTAGES

- Ready-to-use
- Highly elastomeric
- Breathable membrane
- Solvent free / diluent free
- Superior weather and water resistance properties
- Excellent, long-term durability
- Solvent and chemical resistant; UV stable
- High temperature resistance (up to 350 F)
- Reflects more sunlight than a traditional roof; absorbs less solar energy
- White roof coatings lower the building's temperature, saving energy use and cost

THEORETICAL COVERAGE RATES

1.5 gal/100 ft2 over:

- ✓ PVC
- ✓ Applied Mod. Bitumen Smooth
- ✓ Applied Mod. Bitumen Granular
- ✓ BUR
- ✓ Galvanized Steel
- ✓ EPDM
- ✓ TPO

PACKAGING & COLORS

PPC SILIKON RC-95 is available in 5-gallon pails
Color: Single Component: White, Gray and Tan

MIXING

Mix well before using until a uniform consistency and color is achieved. A power mixer is recommended for quantities larger than one gallon.

SHELF LIFE AND STORAGE

24 months from the date of manufacture in original unopened factory sealed containers. Keep away from extreme cold, heat, or moisture. Keep out of direct sunlight and away from fire hazards. store in unopened containers between 40 - 85 F (4 - 29 C).

CERTIFICATIONS

UL 790 (ASTM E 108)
ASTM D 6694
FM 4474
CRRC
NSF P151
Miami Dade Approved
Florida Approved

PHYSICAL/CHEMICAL CHARACTERISTICS

Volume Solids	95%
Solids Content	96%
Initial Tensile Strength @ 73 F	266 PSI
Initial Elongation @ 73 F	279%
Initial Tensile Strength @ 0 F	247 PSI
Initial Elongation @ 0 F	248%
Elongation After 5,000 Hours Accelerated Aging@ 73 F	194%
Elongation After 5,000 Hours Accelerated Aging @ 0 F	229%
5,000 Hours Accelerated Weathering	Pass
Permeance @ 73.4 F / 50% Rh, Us Perms	6.3
Wet Adhesion To Spf, Pli	≥2
Tear Strength, Die C, Lbf/In	30
Low Temperature Mandrel Bend @ -15 F	Pass
Specific Gravity @ 77 F	1.30 +/- .04
Tack Free Time	≥1-2 hrs
Skin Over Time	≥1-4 hrs depending on Temp and %RH
VOC (EPA Method 24), g/l	<50
Flash Point	75 C (167 F)
Temperature Stability Range	-50 C - 176 C (-67 F - 350 F)
Initial Sri Value	109
3 Year Aged Solar Reflectivity C 1549	TBD
3 Year Aged Thermal Emissivity C 1371	TBD
3 Year Aged Sri Value	TBD
Shelf Life	24 months
Final Cure Time	30 days
Recoat Cure Time	24 hours
Dry Film Thickness	20 mils

OVERVIEW OF INSTALLATION STEPS

Mandatory Mockup: A 100-200 sq/ft mockup should be installed as a guide for installation and quality control panel days or weeks before the actual installation of the coating system. The mockup should be approved by an authorized representative of the Property Management for Slip Resistance, aesthetics, and functionality.

Surface Preparation:
All surfaces to be coated must be clean and dry; chemical cleaners, power-washing and/or priming the surface may be necessary to ensure optimal adhesion for some substrates. Any damaged membranes, flashings, and penetration points must be properly repaired and sealed prior to application. Low water ponding areas should also be repaired to avoid future water ponding.

Thinning
Do Not Thin. The addition of thinners or other additives will alter the intended performance and void all warranties.

Weather restrictions
It is recommended not to apply in temperatures less than 40 degrees Fahrenheit; do not apply if rain is expected within four hours of application. If applied in lower temperatures, the cure time may be affected.

Application equipment
This product may be sprayed, brushed, or rolled.

Cure time
The coating can dry in 1-4 hours depending on variables such as temperature and humidity. A subsequent coat should be applied as soon as the previous one can safely be walked on.

Clean up
All equipment can be cleaned using 100% mineral spirits. Do not use water or reclaimed solvents.

CAUTION! Roof surfaces may become slippery when wet.

LIMITED WARRANTY

PPC warrants its products to be free of manufacturing defects and that they will meet PPC current published physical properties. PPC warrants that its products, when properly installed by a state licensed contractor according to PPC guide specifications and product data sheets over a sound, properly prepared substrate, will not fail for a period of 12 months. Seller's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by PPC of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. PPC shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. PPC shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. PPC reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and PPC makes no claim that these tests or any other tests, accurately represent all environments. For further information please contact us at the following email address: orders@premierprotectivecoatings.com or visiting www.premierprotectivecoatings.com

DISPOSAL

Any surplus material, including both Part A and Part B components, should be combined and allowed to cure. Upon curing, the product can be disposed of without any restrictive conditions. Uncured materials should be securely stored in an appropriate sealed container and disposed of in strict adherence to the applicable provincial, state, municipal, and federal regulations.

CAUTION

ALWAYS KEEP OUT OF THE REACH OF CHILDREN
KEEP FROM FREEZING CONDITIONS
INTENDED FOR INDUSTRIAL USE ONLY

