



## SPECGUARD SG-44 SPECIFICATION GRADE COMMERCIAL ACRYLIC

### SG-44 TECHNICAL CHARACTERISTICS

ASTM C523 Sunlight Reflection	84%
ASTM C 1549	86%
Emissivity	0.85
Viscosity D2196 Brookfield 73.4°	18,000 cps
Volume Solids (ASTM D2697)	52%
Weight Solids (ASTM D1644)	66%
Tensile Strength @ 73°F Minimum	345 psi
ASTM-D6083	Conforms
<b>TEMPERATURE RANGE</b>	
Application Degree Fahrenheit	50°/120° F
Service Degree Fahrenheit	0°/180° F
VOC (less than)	50 grms/L
Weight per Gallon (approximant)	10.8 lbs.
<b>ELONGATION / ASTM D-4212</b>	
At 73°F	365%
At 32°F	190%
<b>PERMEABILITY ASTM E-96</b>	
Water resistance (WVT) (less than)	.085 perms
Reinforced ( Polyester fabric)	.085 perms
Dry Time @ 75 °F	1-3 Hrs
Dry throughout	24-48 Hrs
<b>COVERAGE</b>	
Per Gallon	(8.6 mils) Per sqft

**SPECGUARD SG-44** is an Acrylic based product that exhibits excellent adhesion and flexibility to a variety of roof surfaces. SG-44 expands and contracts with normal roof movement, and provides a white reflective barrier from damaging UV rays. The product is excellent for repair and maintenance, and can extend the life and decrease further wear of an existing roof. Designed to protect and seal a variety of roof systems SG-44 can be used as a base or topcoat and adheres to polyurethane foam roof, metal roof, granulated cap sheet and aged single ply. SG-44 can provide energy savings by reducing the roofs surface temperature and heat transfer into the facility.



### APPLICABLE SUBSTRATES

SG-44 is versatile, durable product that's cost effective and easy to apply. Applications included: Asphalt cap sheet roof, metal roofs, foam roofs and single ply. SG-44 can be used on low slope surfaces, vertical surfaces, flashing, parapet walls, and penetrations.

### CONDITIONAL REQUIREMENTS

Any unsound areas in the roof deck or insulation, including blisters, leaks, deteriorated areas, splits, cracks, areas with excessive moisture content, must be repaired or replaced prior to application. All blisters, deteriorated areas, wrinkles and loose areas must either be cut away and removed and replaced or otherwise repaired. Any moisture in the existing roof must be eliminated prior to application.

### SURFACE CONDITION REQUIREMENTS

The surface must be clean dry and sound. Any surface dirt, organic substance, grease, oils, solvents and cleaning solutions must be removed prior to application. Failure to properly prepare the surface can cause poor adhesion and application failure. All foreign materials that may impair adhesion **MUST** be removed prior to application.

### TEMPERATURE / WEATHER PRECAUTIONS

Do not apply when surface or atmospheric temperatures are below 55°F or when measurable precipitation or freezing is possible within 24-48 hours. The service temperature range is -15° F to 180° F. The substrate temperature range for application is 50° F - 110° F.

**Disclaimer:** Design, Examination or Inspection: Specguard does not practice engineering or architecture. Therefore, Specguard cannot and does not warrant any review of construction or design plans or applications. The owner is encouraged to retain its own inspectors, engineer, architect and/or other professionals to review any and all designs or modifications. To the extent that Specguard provides any drawings or recommendations to client, such drawings and or recommendations are strictly for the preliminary review by client who is responsible for retaining appropriate professionals to review and approve Specguard's drawings or recommendations. SG-54 not to be used for non roof waterproofing applications. Specguard warrants that the product is free from manufacturer defects only.

### INCREASED PROTECTION PONDING AREAS

SG-44 Roof coating is a standard grade proprietary formulation that provides increased durability in tough conditions and has been designed to exceed the NRCA ponding water guidelines.

### APPLICATION EQUIPMENT

SG-44 can be rolled, brushed or spray applied. The airless sprayer must have high volume application rate capacity with a minimum 3300 psi spray pressure. Consult with your equipment manufacturer for recommendations or consult your Specguard product representative for further details.

### MATERIAL STORAGE AND HANDLING

Shelf life is twelve months from the original manufacturing date unopened and in the original Containers. Storage of Materials: Materials must be stored in an area where temperatures will not be less than 55°F or higher than 100°F. Material Handling: Materials must be handled, stored and installed per Manufacturer's instructions and all applicable safety regulatory agencies.

### TEST INFORMATION

Information provided is believed to be accurate at the time of publication and is subject to change. Some product data is typical and provided by material manufactures testing. Other testing performed by independent facilities and manufacturers in house and field testing. All testing data subject to change.

### SPECGUARD SYSTEMS

Contact Information: Office: 310-834-7037 / Web site: [www.specguard.us.com](http://www.specguard.us.com) / E-mail: [sales@specguard.us.com](mailto:sales@specguard.us.com)