



SPECGUARD SG-40 HIGH GRADE MODIFIED ACRYLIC BASE COAT

SG-40 TECHNICAL CHARACTERISTICS

ASTM C523 Sunlight Reflection	NA
ASTM C 1549	NA
Emissivity	0.85
Viscosity D2196 Brookfield 73.4°	29,000 cps
Volume Solids (ASTM D2697)	60%
Weight Solids (ASTM D1644)	72%
Tensile Strength @ 73°F Minimum	410 psi
ASTM-D6083	Compatible

TEMPERATURE RANGE

Application Degree Fahrenheit	50°/120° F
Service Degree Fahrenheit	0°/180° F
VOC (less than)	50 grms/L
Weight per Gallon (approximate)	10.8 lbs.

ELONGATION / ASTM D-4212

At 73°F	385%
At 32°F	190%

PERMEABILITY ASTM E-96

Water resistance (WVT) (less than)	.050 perms
Reinforced (Polyester fabric)	.050 perms
Dry Time @ 75 °F	1-3 Hrs
Dry throughout	24-48 Hrs

COVERAGE

Per Gallon	(10.0 mils) Per sqft
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SPECGUARD SG-40 is a modified acrylic base coat that's an alternative to asphalt emulsion roof primers. SG-40 locks onto the existing roof system providing exceptional resistance to blistering even under prolonged ponded water conditions. The technology used in SG-40 produces a coating that offers excellent adhesion to a variety of existing roof substrates, that include: granulated cap sheet, metal, foam and single ply roof systems. Combined with Specguard's SG-54 and SG-49 topcoat products SG-40 offers complete system continuity providing a uniform roof system that won't peel or blister under the most demanding conditions.



APPLICABLE SUBSTRATES

SG-40 is versatile, durable cost effective high grade product. Applications included: Asphalt cap sheet roof, metal roofs, foam roofs and single ply. SG-40 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-40 Roof coating is a high grade proprietary formulation that provides increased durability in tough conditions and has been designed to exceed the NRCA ponding water guidelines.

APPLICATION EQUIPMENT

SG-40 can be rolled, brushed or spray applied. The airless sprayer must have high volume application rate capacity with 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

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