

## ROOFING

### 535QS Enviro-Lastic



\*Read Safety Data Sheet before using this product.\*

**DESCRIPTION:** 535 QS Enviro-Lastic is a 100% acrylic resin, white reflective, elastomeric coating with "Quick-Set" technology that locks the coating in to protect against rain wash-off 20 minutes after application. 535 QS Enviro-Lastic represents KARNAK's dedication to advancing acrylic coating technologies in the industry. This coating has superior color stability, resistance to dirt pickup, excellent hail resistance and low temperature flexibility.

**USES:** 535 QS Enviro-Lastic is for use directly over new clean metal, cured concrete, spray polyurethane foam, EPDM and Hypalon roof surfaces. Also for use as a finish coating over applicable base coats of 405 Bond-N-Shield, 406 Tru-Grip and 404 Corrosion Proof Base Coat. All surfaces must be properly cleaned, dry and leak free before coating. Suitable for horizontal and vertical applications. Metal surface must be completely free of rust or encapsulated with 404 base coat. Concrete surfaces must be cured 30 days before coating. Meets ASTM D-6083 Type I.

**SURFACE PREPARATIONS:** Surfaces to be coated should be dry, clean and free of dirt, dust, rust, grease, oil and loose coating. Recommended application temperature is 40°F to 120°F. Power wash surfaces with 799 Wash-N-Prep Roof Cleaner and water or if surface is an EPDM use 507 SPC Primer/Wash and water. Wash roof surfaces with a minimum of 2000 psi. taking all necessary precautions to avoid damage to the roof system. Patch and repair cracks or holes with appropriate sealants or caulking materials. All wet insulation or foam should be removed and replaced with like materials. Allow fresh masonry to cure a minimum of 30 days before application. 535 QS Enviro-Lastic or subsequent base coat must be dry prior to application of additional coatings. Allow fresh masonry to cure a minimum of 30 days before application. Commencement of work by the contractor implies his approval of the deck surface.

**APPLICATION:** Recommended use is for application over one of KARNAK's 400 series substrate specific base coats. Mix lightly prior to application of the coating. 535QS Enviro-Lastic may be applied by brush, spray equipment or roller. Allow first coat to dry 8 to 12 hours before application of the second coat. Apply when temperatures are 40°F and rising but not over 120°F. Do not apply when rain is expected during or within 24 hours after application. For applications in higher temperatures (above 90 °F) KARNAK recommends application in multiple thin coats to prevent trapped moisture problems. Commencement of work by the contractor implies his approval of the deck surface.

**ROLLER / BRUSH APPLICATION:** Apply with a 3/4" – 1-1/4" nap roller or soft roof brush perpendicular to the first coat / base coat for proper protection.

**SPRAY APPLICATION:** Utilize a heavy-duty professional airless spray pump. Equipment manufacturer should be consulted for more complete information. Spray application should be done with a 50% over-spray pattern.

**COVERAGE RATE:** Apply in a single coat over applicable 400 series base coat at the rate of 1.5 gallons per 100 sq. ft. (24 wet mils) or apply direct to substrate in a two coat application at the rate of 1.5 gallons per 100 sq. ft. per coat (Total of 3 gallons per 100 sq. ft.). This will achieve a dry mil thickness of 20 to 24 mils. Coverage will vary depending on the surface to be coated.

**COLORS:** White and Khaki Tan are standard colors. Other colors are available in minimum quantities of 210 gallons. See "Elastomeric Coating Color Chart" for other available colors.

**CAUTION:** Do not apply when rain is imminent. Protect from freezing. Coating must be dried before exposure to water. Store in a heated room and keep container covered when not in use. Do not thin. Keep out of reach of children. Avoid prolonged contact with skin. Dispose of in an environmentally safe manner. Cover air intakes during application and while drying. For exterior use only.

Cold-process systems and coatings, either emulsion or solvent-based, should only be installed on decks with positive drainage. Per NRCA (National Roofing Contractors Association), "The criteria for judging proper slope for drainage is that there be no evidence of standing water on a deck 48 hours after it stops raining."

**PACKAGING:** Available in 5-gallon pails and 55-gallon drums.

If further information is needed, contact KARNAK Technical services at 800-526-4236.

#### PHYSICAL PROPERTIES & SPECIFICATIONS

Weight per Gallon:	12.0 lbs.
Solids by Weight:	66% Nominal
Solids by Volume:	52% Nominal
Color:	White, Khaki Tan
Hardness, Shore A:	75
Elongation:	140%, Nominal ASTM D 2370
Tensile Strength:	350 PSI, Nominal ASTM D2370
Permeance:	12 perms ASTM E 96
Cure Time:	24 to 48 hours @ 77°F and 50% Relative Humidity
Application Temp.:	40°F to 100°F
Service Temp (Cured Film):	-15°F to 180°F
VOC Content:	42 g/L MAX

ASTM D 6083 Type I

Solar Reflectance:	0.85 Initial
(White Only)	0.73 3-Yr. Aged

Thermal Emittance:	0.89 Initial
(White Only)	0.89 3-Yr. Aged

SRI:	107 Initial
(White Only)	90 3-Yr. Aged

