



RUBBER ROOF SYSTEMS

# Tech Data Sheet

## TOPSHOT MAX

## TS-513 RUBBERIZED-ACRYLIC TOPCOAT

### Basic Uses & Description:

**TS-513 TopShot MAX** is a technologically advanced, high-performance, water-based acrylic rubber topcoat and waterproofing coating. It has 650% elongation that resists cracking and peeling. With 88% light reflectivity, the bright white finish reduces surface temperatures resulting in a reduced cooling cost and thermal expansion and contraction. It offers superior elasticity, weather resistance, and adhesion. With the ability to bridge minor substrate imperfections, the product is ideal for both new and existing roof restorations. It cures to a tough, flexible, waterproof membrane and provides long-term protection designed for low-slope roof maintenance on metal, Built-up roofing, rolled roofing, modified Bitumen concrete, EPDM, and wood.

### Application:

#### PREP:

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.

**DO NOT THIN** - The addition of thinners or other additives will alter the intended performance and void all warranties.

#### APPLY:

Review product Application Guide before proceeding. Conduct a test patch to ensure proper adhesion. Some areas may require periodic preventative maintenance. Kool Coats representatives are available to assist in determining the correct roof system for your specific roof.

- Spray or pour out TopShot Max onto surface. Spread in 1 or 2-gallon increments if applying by squeegee, push broom or roller
- Even up the coating application with a roller as needed to maintain a uniform thickness
- Work on manageable sections of roof allowing you time to properly apply the materials prior to materials beginning to dry
- If spraying it may be advantageous to back roll through first coat during application to fill in rough surfaces. Always contact Technical Services when in doubt
- Apply between 50° - 90°F on a warm dry surface. Surface temperature must be 5°F higher than the dew point and rising.
- Brush: Nylon/polyester
- Roller: ½" nap nylon/polyester
- Sprayer: Always use airless equipment

TEST PROPERTY	TEST VALUE
Solids by Volume	33%
Adhesion to Substrates	PLI>5.00 Dry Galv. Steel, Plywood, Concrete, Aluminum
Weight per Gallon	9.7 lbs
Tear Resistance	77 lbs/in
Elongation	650%
Cure Time	7-10 DAYS
Dry Time	2-8 hrs (40°-80°F) (allow 24 hrs between coats)
Flash Point	>200° F
Humidity	Best applied at 50% or lower
Initial Emittance	0.85
Initial Reflectance	88%
Mold & Mildew Resistance	Excellent
PH as Shipped	8.75-9.25
Reflectance after 3 years	75.63%
Shelf Life	24 months unopened
Vapor Permeability	0.96 perms
Vehicle Type	Acrylic/Styrene Butadiene
Viscosity	6000-7000 cps spindle #6@100rpm
SCAQMD Compliance	Yes
Accel. Low Temp Flex	ASTM D522 Type 1 & 2 - PASS

### Spray Application:

Airless Equipment sizing should have a flow rate of 1.0 - 2.0 GPM, 2500 to 3000 PSI; Heavy Duty Reverse-clean tip (without diffuser pin) sizes 629 (⅜" fan .029 orifice size) to 633 (⅜" fan .033 orifice size). Hose size ½" reduced to ¼" before connection to gun swivel.

If airless has a machine filter in addition to the intake rock screen we recommend either a 40-mesh filter or temporarily removing the machine filter cartridge altogether.

Airless equipment should be cleaned after use without delay

Contact Kool Coats for more information, guidelines, and recommendations on spray application.



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### Precautions:

- Do not take internally
- Keep out of reach of children
- Avoid contact with skin and eyes
- Use and store under protection when using this product
- Wear safety goggles and gloves
- In case of contact rinse with clean water and seek medical advice if needed

### Weather Restrictions & Cure Time:

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.

The coating can dry in 2-8 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.

### Storage:

This product has a recommended shelf life of 12 months from date of manufacture when stored in unopened containers and between 40°F and 100°F to prevent the product from freezing. Refer to product packaging.

### 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.

### Packaging Sizes:

**TS-513 TopShot MAX** is available in Tote, Drum, 5 gallon and 1 gallon containers.

### Clean Up:

Clean-up application equipment, tools, spills, hands immediately after use with water **DO NOT USE MINERAL SPIRITS, XYLENE, TOLUENE, OR VMP & NAPHTHA SOLVENTS.**

### Limited Warranty Information:

Kool Coats offers a 15-20 year Material Warranty. A 15-20 Year Labor and Material Warranty is available for a fee. For warranty details contact your Kool Coats representative.

#### WARRANTY DISCLAIMER:

This product is warranted solely to the original purchaser. This warranty is non-transferable and shall not apply to any subsequent resale or transfer of the product. To obtain warranty service, the original purchaser must provide valid proof of purchase. Kool Coats makes no warranties, expressed or implied, beyond those stated herein and reserves the right to modify these terms at any time without notice.