

## NOTICES

Metacrylics® products must be applied and installed according to written specifications from the manufacturer. Metacrylics® assumes no liability for failures of this roof/deck system resulting from deviation from manufacturer's written specification, poor workmanship, or delamination of an existing underlying roof/deck membrane. The manufacturer makes no warranty of any kind, express or implied, concerning this roof/deck system, if it is not used according to manufacturer's specifications.

## SOURCES

Presented Above Are: ASTM and FTMS performed by Underwriters Laboratories, Inc., Cal Coast Laboratories, Inc., Harlan Associates, Inc., State of Calif. Dept. of Transportation (Division of Structures and Engineering Services) Office of Transportation Laboratory, Sacramento, CA; State of Calif. Air Resources Board, Sacramento, CA; State of Calif. Dept. of Health; State of Calif. Bay Area Air Pollution Control Dist.; field experience of construction contractors and California Builder & Engineer. Metacrylics® is not responsible for any changes in the above data due to discovered data or changes in the above tests.

## MANUFACTURER

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## SPECIFICATIONS

**DESCRIPTION** WHITE, water-based acrylic elastomeric coating. Non-volatile, highly adhesive, UV resistant, reflective, protective coating for almost any surface. We use almost 50% more TiO<sub>2</sub> and 50% more copolymer resin than our standard acrylic white enhancing the elongation capabilities to 600%.

**USES** For use as a reflective protective coating over BUR Asphalt, T&G, Granulated Capsheet, Rolled Roofing, Metal, Concrete, Wood, Foam, EPDM, TPO, PVC and Stucco surfaces. When applied with Metacrylics Primer, Base, and Polyester fabric, this product is recommended for all roofs and decks. Other uses include exterior and below grade waterproofing.

**COLOR** White

**EXTREME PERFORMANCE QUICK SET** Additive that is premixed by Metacrylics into the finished product and almost immediately sets up to provide rain resistance at 40° F and 80% Relative Humidity within 2 hour or less.

**ZINC OXIDE** Metacrylics Extreme Performance Acrylic White contains no zinc oxide. The EPA has identified zinc oxide as a hazardous waste material. No product manufactured by Metacrylics contains zinc oxide. This has been verified by independent testing by ICC-ES and UL Laboratories, our quality control agency.

### INITIAL PERCENT ELONGATION

<b>ASTM D2370</b>	(Break) @ 23°C
<b>ASTM D6083-05e1</b>	592.63%

### ELONGATION AT BREAK @ 23°C (Die C)

<b>ASTM D412</b>	521.12%
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### INITIAL TENSILE STRENGTH (maximum stress) @ 23°C

<b>ASTM D2370 ASTM D6083-05e1</b>	146.26 psi
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### TENSILE STRENGTH @ 23°C (Die C)

<b>ASTM D412</b>	176.37 psi
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### TEAR RESISTANCE

<b>ASTM D624</b>	33.07 lbf
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### FLASH POINT

<b>ASTM 1310</b>	No flash at 200°F (water-based)
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Tag Open Cup

### FLEXIBILITY (Low Temperature Flexibility)

<b>ASTM C836</b>	Pass 1":-40°F
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**TITLE 24** Compliant

### COOL ROOF RATING COUNCIL TESTING

<b>CRRC Seller ID # 0660</b>	
<b>C-1371 Solar Reflectance</b>	0.90
<b>C-1371 Thermal Emittance</b>	0.88
<b>SRI Solar Reflective Index</b>	114

**LEED POINTS** Available for heat island affect.

**USGBC** U.S. Green Building Council member

### CHEMICAL RESISTANCE

Gasoline - some softening and spotting	Lubricating Oil - some spotting
1% Sodium hydroxide alkali (no effect)	Diesel (no effect)
1% Hydrochloric acid (no effect)	Stoklard solvent (no effect)
Sodium chloride—salt (no effect)	Boric acid (no effect)
Petroleum ether or naphtha (no effect)	

<b>SAYBOLT FUROL</b>	
<b>AASHTOT 59 At 122° F</b>	265 Sec.
<b>DEMULSIBILITY</b>	No reaction AASHTOT 59
<b>TOXICITY</b>	Not for use with potable water
<b>PARTICLE CHARGE</b>	Negative
<b>WEIGHT</b>	11.3 lbs./gallon
<b>VOC (VOLATILE ORGANIC CONTENT)</b>	27.5 grams/liter

## APPLICATION & COVERAGE RATES

**SURFACE PREPARATION** Surfaces should be clean, dry, free of dust, dirt and oily residues. Remove loose rust from metal, and wipe new galvanized metal with acidic acid solution prior to application. Metacrylics Primer is recommended for all surfaces. New concrete must be fully cured. New glazed asphalt and torch down single-ply assemblies should wait 6 months or more before application.

**SPRAY APPLICATION & COVERAGE RATES** Apply 2 coats of Extreme Performance Acrylic WHITE @ 1.5 gallons/100 sq. ft. per application (total 3 gallons/100 sq. ft.) using a .035 - .039 spray tip. The Extreme Performance Acrylic WHITE is also used as a one coat "FINAL" top coat application due to its dirt resistance and elongation capabilities. This single coat would be applied at 1.5 or 2 gallons per 100 square feet, depending on the Metacrylics coating system being applied. Allow 12-24 hours between applications. Hints: Don't spray on windy days! Use barricades around the job. Visqueen all skylights not to be coated. Be sure to have 1/2 a barrel of water to flush the pump and hose when finished. Be sure to have extra tips and TSL Throat Seal Liquid. Carefully pour a 1/4" layer of water over the drum of Extreme Performance Acrylic WHITE to prevent skinning over.

### ROLLER APPLICATION AND COVERAGE RATES

Apply 2-3 coats @ 1.33 – 1.5 gals /100 sq. ft. per application (total of 3 gals/100 sq. ft.) Allow a full 24 hours or longer between applications if necessary based on local weather conditions in order to prevent blistering.

**NON-SKID APPLICATION** Sand may be gently broadcasted over the wet Extreme Performance Acrylic WHITE, or mix 1/2 gallon of #30 mesh sand, rubber granules, etc. with 2-1/2 gallons of Extreme Performance Acrylic WHITE using a stick or electric drill with mixing paddle, add more or less sand to desired consistency. Apply with a texture roller or texture gun.

**HINTS** Allow a full 24 hours or longer between applications if necessary based on local weather conditions in order to prevent blistering. Cold temperatures slow down the drying times. Start early, stop early! Application in hot temperatures should be avoided or blistering of the coating may occur. If any Extreme Performance Acrylic WHITE is left over, apply additional coats until all product is used. Three gallons per 100 sq. ft. is necessary to prevent delamination in ponding areas and to maintain superior performance under UV and freezing conditions.

**CLEAN-UP** Clean tools and equipment with water. Cured material may be removed with amylacetate, hand cleaner, or lacquer thinner. Do not use these materials (except hand cleaner) on bare skin.

**STORAGE** Store in areas where temperature remains above 40°F. Prior to use agitate for 2-3 minutes by hand or machine. Reseal opened containers. If contents skin, remove skin, agitate, use immediately. If the product has been stored for a months (or years), remove any surface skin that may have developed, stir, and immediately use.

## IMPORTANT APPLICATION INFORMATION

**DO NOT APPLY** if rain or freezing weather is imminent within 24 hours following application, or during fog or drizzle. This product is water-based and could wash off if not fully cured.

### KEEP AWAY FROM CHILDREN.

**DO NOT APPLY** when temperatures are consistently below 40° F. Extreme Performance Acrylic WHITE dries slowly when temperatures are below 55° F. Areas shaded from sunlight dry very slowly. Seventy-two hours or more may be required for proper curing.

**DO NOT THIN** or add solvents.

**PROTECT MATERIALS** from freezing and extreme heat.

**CAUTION!** Wet acrylic is extremely slippery when stepped on. Use a safety rope around you on sloped surfaces.