



## Pond Armor™

### 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

Metacrylics®  
365 Obata Court  
Gilroy, CA 95020  
Office: (408) 280-7733  
fax: (408) 280-6329

## SPECIFICATIONS

**DESCRIPTION:** Gray, water-based acrylic elastomeric coating. Non-volatile, highly adhesive coating for almost any surface. Must be protected from the sun's UVs with Metacrylics® Acrylic White or Color coat.

**USES:** For use as a protective coating. When applied with Metacrylics® Primer, Polyester fabric, and Acrylic coatings, this product is recommended for all roofs and decks. Other uses include exterior and below grade waterproofing. Metacrylics® products may be applied to BUR Asphalt, Tar & Gravel, Granulated Capsheet, Rolled Roofing, Metal, Concrete, Wood, Foam, EPDM, TPO, PVC and Stucco surfaces.

**COLOR:** Gray

**ACRYLIC BASE 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 hours or less.

**ZINC OXIDE:** Metacrylics Acrylic White contains no zinc oxide. California Prop. 65 has identified zinc oxide as a hazardous 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.

**TEMPERATURE CYCLING AND PENETRATION** Tests conducted in accordance with the "Acceptance Criteria For Special Roofing Systems" as published by the International Conference of Building Officials (ICBO). Results: PASS. Samples averaged 1.610 before testing. Samples averaged 1.610 after being subjected to the Weatherometer. The change in thickness was less than 1%. Examination of the samples after testing showed no evidence of tearing or cracking of the protective coating.

\*Temperature Cycling and Penetration Testing: 25 continuous cycles of 1 hour of water exposure at room temperature prior to 6 hours at -40... F, 2 hours at 70... F, 14 hours at 180... F and 1 hour at 70... F. Spray nozzles delivered 6 in. of water per hour at a temperature of 40... F to 60... F. At the conclusion of the 25 cycles the specimens were examined.

**FLASHPOINT:** No flash at 200° F (water-based). ASTM 1310, Tag Open Cup

**FLEXIBILITY:** Low Temperature Flexibility: pass 1" :-40° F ASTM C836

**TENSILE STRENGTH:** \*Includes M stitchbonded polyester fabric (10 mils).

**STRENGTH:** 156 psi (81 mils\*); Strength at break 1,914 psi 74° F ASTM D412 (10 mils);

**ELONGATION:** 149% ave(81 mils\*); Strength at break 3,540 psi, 0° F ASTM D412

**HARDNESS:** Shore A 41 ASTM D-676 (8 days cure + 4 hours 120° F)

**PERMEABILITY:** 0.016 Perms ASTM D1653 (81 mils dry film thickness) (Water Vapor Transmission)

**PEEL ADHESION:** Concrete: 6.3 average lbs./linear inch ASTM C836

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**WIND UPLIFT:** 105 PSF Section 6 of ANSI A58.1, Min. Design Loads for Building and Other Structures

**FIRE RESISTANCE:** Class A ASTM E-108 UL Standard 790 (1,400° F Flame & Wind Velocity 1,050 ft./minute)

## 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)	

**SAYBOLT FUROL:** At 122° F is 265 Sec. AASHTOT 59

**DEMULSIBILITY:** No reaction AASHTOT 59

**TOXICITY:** Not for use with potable water

**PARTICLE CHARGE:** Negative

**WEIGHT:** 12.1 lbs./gallon

**VOC (VOLATILE ORGANIC CONTENT):** 11.73 grams/liter

**SOLIDS CONTENT:** (by weight): 67.9%

## APPLICATION

**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 Base @ 2-3 gallons/100 sq. ft., embed polyester fabric, then immediately apply Base @ 2 gallons/100 sq. ft. over the polyester fabric (total 4-5 gallons/100 sq.ft.), using a .061 spray tip. Allow 24 to 48 hours drying time.

*\*Hints: DON'T SPRAY on windy days! Use barricades around the job. Visqueen all skylights, etc., not to be coated. Be sure to have 1/2 a barrel of water to flush the pump and hose when finished, as well as extra tips and TSL Throat Seal Liquid. Carefully pour a 1/4" layer of water over the drum of Base to prevent skinning over.*

### ROLLER APPLICATION AND COVERAGE RATES

Apply Base @ 2-3 gallons/100 sq. ft., embed polyester fabric, and then immediately apply Base @ 2 gallons/100 sq. ft. over the polyester fabric (total 4-5 gallons/100 sq.ft.). Allow 24 to 48 drying time. Overlap sidelaps and endlaps 3". Use a 9" semi-rough surface roller cover for application of the Base and polyester fabric.

*Hints Allow 24 to 48 hours drying time or dry enough to walk on. Cold temperatures slow down drying time. Start early, stop early! Application in hot temperatures should be avoided or blistering of the coating may occur. If any Acrylic Base is left over, apply additional coats until all product is used. Four to 5 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. Thin with water if necessary.

**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. The Acrylic coating 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.