

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 listed tests.

MANUFACTURER

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SPECIFICATIONS

DESCRIPTION AND RECOMMENDED USES: Metacrylics Silicone GEL is an extremely versatile, tough, yet flexible flashing membrane that is easily brush or trowel applied at thicknesses up to 1/4". Metacrylics Silicone GEL can be used over a variety of roofing substrates including direct-to-metal (DTM), spray polyurethane foam, smooth built up, smooth modified, granulated modified, concrete, a variety of single-ply systems, flashings, fasteners, field seam, scuppers, and drains. It is designed to create a watertight liquid flashing for problematic roofing detail repairs.

FEATURES & BENEFITS This highly reflective and UV resistant membrane has excellent adhesion, vertical hang capabilities and performs exceptionally under ponding water conditions. Metacrylics Silicone GEL can be used as part of a complete cool roof restoration system and/or used for repairs of existing systems, roof repairs such as flashings, penetrations, seams, HVAC ducting, fasteners, scuppers and drains. This single component, Low VOC, moisture cured liquid flashing membrane is also environmentally friendly.

TYPICAL USES

- Can be used for spot repairs
- Reinforce seams, flashings and penetrations
- Seal joint and penetration repairs for solar systems and air conditioning systems

GENERAL PROPERTIES High Solids 94% (±2) percent by volume ASTM D-2697-3

STANDARD COLORS White

PHYSICAL PROPERTIES Material tested complies with all the requirements of ASTM D- 6694-01 Standard Specification Liquid-Applied Silicone Coating used in Spray Polyurethane Foam Roofing.

PACKAGING	2 & 3.5 gallon buckets
COVERAGE RATE	25 sq ft / gal
COLOR	White
SHELF LIFE	1 year (unopened)
TACK FREE, (75°F, 50% RH)	>3 Hrs
CURE TIME (75°F, 50% RH)	24 Hrs
DUOMETER HARDNESS: SHORE A	45-55
WEATHERING QUV 5,000 HRS.	No Degradation
PERMEABILITY (U.S. PERMS)	7.9
TEAR STRENGTH	45lbs/in
SOLIDS BY VOLUME, ASTM D-2697	94%-(± 2)
SOLIDS BY WEIGHT, ASTM D-2697	94%-(± 2)
FLASH POINT, ASTM D-56	142°F
VISCOSITY	50,000 cps
TENSILE STRENGTH (DIE C, ASTM D-412)	300 psi
ELONGATION, ASTM D-412	200%

DIRECTIONS FOR USE

Review all technical data sheets, system sheets, labels, instructions, SDS, and Guide Specifications before applying. Cure time will vary based on temperature and atmospheric conditions.

APPLICATION: Prior to coating any surface, be sure the coating will adhere by performing an adhesion test (ASTM D-903). Coating may be applied by brush, spatula or trowel. Do not apply when temperatures are below 40°F (4.4°C) or when precipitation is in the forecast within 2 hours.

LIMITATIONS: To avoid pin holes and blistering Metacrylics Silicone GEL should not be applied at a rate no thicker than 250 wet mils (6350 μ) in one application.

IMPORTANT APPLICATION INFORMATION

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.

WEATHER RESTRICTIONS It is not recommended that this product be applied at temperatures below 40°F (4.4°C), or if rain is expected within 1 hour of application. Metacrylics[®] High Solids Silicone may be applied at lower temperatures; however the cure time will be extended.

STORAGE & HANDLING

Keep containers closed and store in a dry, cool place away from heat, sparks, open flame, excessive heat, and moisture. Keep material stored above 65°F (18°C). Open containers should be blanketed with dry nitrogen before resealing. Avoid storing the pails or drums on concrete floors. Use of wood pallet is recommended.

SAFETY PRECAUTIONS

Review the Material Safety Data Sheets (MSDS) and container labels for detailed health and safety information. This product is intended for industrial use by properly trained professional applicators only.

VAPOR INHALATION

The best form of protection against organic solvents or potentially sensitizing vapors in the workplace is a fresh air supply. Numerous manufacturers, including the 3M Company and MSA, make full face fresh air masks. For maximum protection, we recommend use of NIOSH/MSHA approved self-contained breathing apparatus with a full-face piece operated in a positive pressure mode. In well-ventilated application conditions, the use of Type C organic vapor cartridge respirators is acceptable.

SKIN CONTACT

To prevent excessive skin contact with the sprayed product, we recommend use of fabric coveralls and neoprene or other resistant gloves.

EYE CONTACT

Wear a full-face mask or OSHA-approved protective goggles.

ADDITIONAL INFORMATION

Please read all information in the general guidelines, technical data sheets, application guide, and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your Metacrylics representative or visit our metacrylics.com for current technical data and instructions.

FIRST AID CONSIDERATION

Vapor inhalation problems are characterized by coughing, shortening of breath and tightness in the chest. Anyone exhibiting these types of symptoms should be immediately removed from the workplace and administered oxygen or fresh air. If the condition is prolonged or extreme, SUMMON EMERGENCY TRAINED MEDICAL ATTENTION IMMEDIATELY. Effects of overexposure to vapor are characterized by nasal and respiratory irritation, dizziness, nausea, headache, fatigue, possible unconsciousness or even asphyxiation. If ingested and the victim is conscious, give large amounts of water or milk to drink. Obtain medical attention immediately. Skin contact with liquid components can result in a rash or other irritation. Wash the affected skin area with water. Wipe residual liquid from the skin with a clean cloth, then wipe the affected area with 30% solution of rubbing alcohol. Follow the alcohol wipe with repeated washings with soap and water. If a rash or other irritation develops, see a physician. Eye contact with liquid or sprayed components can result in corneal burns or abrasions. Upon exposure, eyes should be flushed with water for an extensive period. SUMMON EMERGENCY TRAINED MEDICAL ATTENTION IMMEDIATELY.

DISCLAIMER: All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and tests, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazards listed herein are the only ones that may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether verbal or in writing, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Metacrylics makes no claim that these tests or any other tests, accurately represent all environments.

