



LIFE PAINT

PRODUCT SPECIFICATIONS

88-50 HIGH SOLIDS SILICONE ROOF COATING

88-50 is a single-component silicone elastomer specifically designed with high volume solids. It is a pure elastomeric silicone coating system that provides superior weatherproofing, and UV resistance over a variety of roof substrates. The outstanding features of 88-50 are its high solids content, rapid cure and superior physical properties.

Features & Benefits

- Prolongs the life of a roof while helping lower internal temperatures and reducing cooling costs
- Hydroponic - withstands water penetration
- High tensile strength and abrasion resistance
- Excellent adhesion to a variety of roof surfaces
- Ease of application - extremely fast and simple to install
- Can be used to reinforce and seal seams, penetrations and terminations, and make spot repairs
- Slows degradation caused by normal weathering, aging, and ultraviolet rays
- Economical - extends the life of your roof
- Retains its integrity from -80°F to 250°F
- Accelerator package is available to shorten cure time
- Can be re-coated up to 7 to 10 days between coats
- No checking or cracking after 8,000 hours*

Packaging:

5 gal (18.93L) pail
55 gal (208.2L) drum

Uses:

88-50 can be applied to aged or cured single ply, metal, spray polyurethane foam, built-up roofing or modified bitumen, and concrete roof systems.

Directions:

MIXING: Review all technical data sheets, system sheets, labels, instructions, MSDS, and Guide Specifications before mixing and applying. Mix 55 gallon (208.2 liter) drums and 5 gallon (18.93 liter) pails with a variable speed drill utilizing a jiffy mixer to suspend any settled pigments until a uniform color and consistency is achieved. Mixing 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, roller, or airless spray equipment at 1-1/2 (one and one half) gallons per 100 sq ft. Do not apply when temperatures are below 40°F (4.4°C) or when precipitation is in forecast within 48 hours. In areas where the roof is subject to foot traffic, it is recommended to apply walkway pads for added protection and slip resistance.

*Accelerated Weathering exposure in an Atlas carbon arc weatherometer according to ASTM D-822.

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.

Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors or other ignition sources at locations distant from the material handling point. Never use a welding or cutting torch on or near the drum. In case of fire, use CO₂, steam, dry chemicals or water fog.

Safety:

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

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

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.

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 local LIFE PAINT representative for current technical data and instructions. **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 LIFE PAINT makes no claim that these tests or any other tests, accurately represent all environments.

Technical & Physical Properties

See Application Specifications for additional information.			Physical Property	ASTM Test Method	Result	Table 118C Requirement
An older roof in poor condition may need a new roof.			Tensile Strength @73F, psi	D2370	300 psi	100 min
Physical Property			Elongation @73 F, %	D2370	200%	200 min
ASTM Test Method			Tear Strength		45 lbs/in	
Result			Permeance, perms	D1653	2.0	50 max
Solids			Accelerated weathering, 1000 h	D4798	Pass	no cracking or checking visible to eye
98% (w)						
98% (v)						
8,000-11,000 cps						
280°F						
48 g/l						
88%						
91%						
110						
The maximum V.O.C. of this product does not exceed 50 grams/liter. WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. Contact the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead .						