



MOLD PROOFER®

Roof Coat

SMP-300

PRODUCT DESCRIPTION

SMP-300 is a single component, elastomeric and low VOC coating that incorporates nano-ceramic technology, which provides outstanding weathering properties. This coating a seamless membrane that acts as an insulative barrier. SMP-300 extends the life of new or existing built-up, metal, concrete, modified bitumen, single-ply and composite shingle roofs by providing a reflective topcoat. SMP-300's high reflectivity keeps the roof substrate cool, which not only prolongs its life but it ensures extensive energy savings.

The SMP-300 is formulated with an EPA registered, zero VOC, water-base and non-leaching anti-microbial that prevent the growth of microbiological life on the film. SMP-300 is formulated with active silanol groups that bond our proprietary anti-microbial in the coatings matrix. SMP-300 also incorporates intense stain blocking and odor encapsulating additives. The SMP-300 can be applied to a wide variety of porous and non-porous roofing materials. SMP-300 will stop leaks, reduce thermal shock and improve the lifecycle of the roof. SMP-300 is formulated to remain flexible even in sub-zero temperatures and is highly reflective and UV resistant. SMP-300 is also excellent for insulating cold and hot piping, drying ovens, ductwork, boilers, windows and sky lights.

ANTIMICROBIAL & ODOR ENCAPSULATING

SMP-300 encompasses a broad-spectrum of antimicrobial additives that inhibit the growth of microorganisms on the film for the life of the coating. An odor encapsulate that counteracts and aids in deodorizing and eliminating odors.

APPLICATIONS

- Roofing, windows, skylights, walls, ceilings, duct work etc.
- Truck & trailer roofs (refrigerated truck bodies)
- Camper roofs, motor homes
- Furnaces, piping, drying ovens, boilers

SPECIFICATIONS

- Solids by Weight: 66%
- Solids by Volume: 51%

DRY TIME

4 hours at 75°F (24°C), 50% R.H. - White at 16 wet mils (406 microns)

2 hours at 75°F (24°C), 50% R.H. - Gray at 16 mils wet (406 microns)

Required times will increase @ lower temperatures and/or higher humidity

- Tensile Strength: 200 psi (±20) [ASTM D412]
- Elongation: 180% (±20) [ASTM D412]
- Hardness: 60 to 70 Shore A [ASTM D2240]
- Permeance: 2.7 US perms at 22 dry mils [ASTM E96]
- Temperature Limits For Normal Service Conditions: 0°F to 200°F (-18°C to 39°C)
- Fire Resistance: UL 790 Class "A" classified system over spray-applied polyurethane foam on noncombustible decks, Class "B" over combustible decks.

SURFACE PERPARATION

Metal surfaces must be power washed @ minimum 4000 psi prior to power tool cleaning or rust, scales and other corrosion. The use of CPT-298/99 conversion primer(s) may be used to prepare rust surfaces prior to the application of SMP-300. Shingle roofs should be power washed at a lower pressure. Surface must be dry and free of debris before application. Remove all foreign and loose matter.

MIXING

Thoroughly mix the contents using a power mixer for a minimum of five (5) minutes prior to application. For 5-gallon (19 liter) pails, use a 3" (7.5 cm) minimum diameter mixing blade. For 55-gallon (209 liter) drums, a 6" (15 cm) minimum diameter blade is recommended.

APPLICATION & EQUIPMENT

SMP-300 should be applied to 15-20 mils WFT and two coats are recommended for longer service life. Apply with airless sprayer such as the Speed Hydro M4000 or Graco Bulldog 218-320 with 0.036" to 0.053" tip size. Product may be brushed or rolled with a 1" nap roller.

COVERAGE

Number of Coats: Apply at 8-20 mils WFT and two coats are recommended.
Coverage (theoretical): ~100 sq. ft. per gal at 8 Mils DFT.

COLORS

SMP-300 is available in standard White or Gray.

LIMITATIONS:

Do not apply below 50F (10C) or if there is a possibility of temperatures falling below 32F (0C). Cool temperature and high humidity retard curing. Do not apply in late afternoon if heavy moisture condensation can appear during the night.

STORAGE & HANDLING

Non-hazardous. Keep the SMP-300 in sealed container and store in cool, dry, protected, well ventilated storage in compliance with all current and local regulations. Keep out of direct sunlight, moisture or rain. Maintain material in sealed containers at all times.

Packaging: 5-gallon (19 liter) pails and 55-gallon (209 liter) drums

DISCLAIMER:

The information provided is to be used as a guide and users should perform their own tests to ensure performance in their application. All data, statements, and recommendations made herein are based upon information we believe to be reliable, but are made without any representation, guarantee or warranty of accuracy. All statements, technical information and recommendations contained herein are based on tests SEI Chemical believes to be reliable, but the accuracy or completeness thereof is not guaranteed. SEI Chemical warrants SEI products will be free from defects when shipped to customer. SEI Chemical's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify SEI Chemical of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer. SEI Chemical shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of SEI Chemical. The foregoing warranty is exclusive and in lieu of all other warranties, express, implied or statutory, including without limitation any implied warranty of merchantability or of fitness for a particular purpose in no case shall SEI Chemical be liable for incidental or consequential damages. Limited warranty, for industrial use only. Keep out of reach of children, keep containers tightly closed, not for internal consumption, consult material. Consult Material Safety Data Sheet for more information.