

SMARTCOAT™ 350 SILICONE MASTIC **WHITE – UV RESISTANT**

Product Information



Description & Use: SMARTCOAT™ 350 Silicone Mastic is a professional grade high performing silicone mastic intended to seal leaking seams, fasteners, penetrations and/or any splits, tears or deficiencies in the roof's surface prior to coating with SMARTCOAT 450 High Solids Silicone Coating. This product is suitable for application to metal, asphalt, modified bitumen, concrete and most single-ply roofs. Upon cure, SMARTCOAT 350 forms a durable, breathable and water-resistant barrier that is resistant to degradation from UV and natural weathering; coating is not required.

Coverage: Approximately 12-13 sq.ft. per gallon applied 1/8" thick; additional material may be required when 3-coursing to saturate and encapsulate polyester fabric.

Precautions: SMARTCOAT 350 Silicone Mastic requires atmospheric moisture for propagation of cure thus it is not suitable for use in totally confined spaces. Apply only at temperatures 40°F and rising with no threat of rain during application or at least 1 hour after application is complete.

SMARTCOAT 350 can be applied over properly prepared surfaces that exhibit ponded water, however, the National Roofing Contractors Association (NRCA) considers ponding water an undesirable nonstandard roofing practice and recommends that all roof systems be designed and built to ensure positive drainage. (See the NRCA Roofing and Waterproofing Manual).

SMARTCOAT 350 should be applied as received and dilution with solvent is not recommended. If settling in the package has occurred, stir the material prior to use.

Product Application

1. Clean roof surface thoroughly using SMARTCOAT 100 Roof Wash as needed. Surface must be free of dirt, dust, oil, grease, wax, rust, chalky or loose paint, mildew and any other surface contamination that may inhibit adhesion.
2. If adhesion test indicates primer is required, prime surface with SMARTCOAT 210 Universal Primer. When applying on a smooth or granulated modified bitumen or built-up-roof, though most granulated surfaces do not require primer for adhesion, SMARTCOAT 200 Asphalt Bleed Blocker will serve prevent top-surface yellowing from migrating bituminous oils.
3. Inspect all fasteners; replace loose, broken or missing ones.
4. Material shall be applied between 1/8"-1/4" thick with a brush, trowel or gloved hand and extend two inches on either side of the fastener or split. SMARTCOAT 350 is typically applied in one application. If applying in multiple applications, allow adequate time between each application for the mastic to cure before applying additional material. Details or repairs with a high potential for movement may require polyester reinforcement and/or the use of a sacrificial release tape. When reinforcing with polyester, thickness shall be sufficient to saturate and encapsulate polyester reinforcement. Refer to SMARTCOAT construction details for guidance. Tack free in 2 hours. Dry to touch in 6 hours. Drying time is dependent on temperature, humidity and film thickness. Final cured thicknesses must be free of voids, pinholes, cracks or blisters.
5. Allow MASTIC to dry approximately 6 hours, depending on temperature and humidity, prior to coating with SMARTCOAT 450 High Solids Silicone Coating.
6. Clean equipment containing uncured material may be accomplished by cleaning with mineral spirits, toluene, or alcohol based solvents. DO NOT USE water.

For more information, see published SMARTCOAT specifications at www.certainteed.com

Technical Data

Color	White
Tack-Free Cure	2 hours
Dry to Touch	6 hours
Packaging	2G
VOC	<50g/l
Tensile Strength	305 ± 10 psi @ 73°F
Elongation	60% ± 10 psi @ 73°F
Tear Resistance	25 ± 5 lbf/in @ 73°F
Solids by Volume	91% ± 2
Solids by Weight	97% ± 2
Shelf Life	18 months (un-opened containers, stored between 35°-75°F)

Storage & Disposal: Store in cool, dry conditions in well-sealed receptacles- can be stored in unheated warehouses without the risk of freezing. Shelf life is 18 months from date of manufacture when properly stored. Dispose of contents/container in accordance with local/regional/national/international regulations.

For more information, refer to the Safety Data Sheet at www.certainteed.com

First Aid

WARNING: Combustible liquid. May cause an allergic skin reaction. May cause damage to the nervous system through prolonged or repeated exposure. Do not breathe dust/fume/gas/mist/vapors/spray. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF SWALLOWED: Immediately call a poison center/doctor. Do NOT induce vomiting. Keep away from heat/hot surfaces/sparks/open flames/other ignition sources. Take precautionary measures against static discharge. No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Use only in well ventilated areas. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. In case of fire use CO₂, extinguishing powder or water spray.

Technical Assistance and Services

CertainTeed provides technical assistance in the product selection, specification and application guidelines for all CertainTeed commercial roof systems. Field representatives are available for consultation in each region.

For more information, contact CertainTeed Commercial Roofing Technical Services at 800-396-8134 ext. 2 or rpg@saint-gobain.com

Warranties

CertainTeed offers SMARTCOAT Limited Warranties, SMARTCOAT NDL Limited Warranties and CertainTeed Integrity Roof System Limited Warranty/NDL Limited Warranty SMARTCOAT Extensions, ranging from ten (10) to twenty (20) years to SMARTCOAT Approved Applicators and Silver/Gold Star Contractors.

For more details, please see the SMARTCOAT Warranty Overview on www.certainteed.com

NOTICE TO CUSTOMER: FOR PROFESSIONAL USE ONLY/DO NOT THIN. WE WILL NOT ASSUME ANY LIABILITY FOR THE RESULTS OF CUSTOMER'S USE OR A CUSTOMER'S INABILITY TO PROPERLY USE OR APPLY THIS PRODUCT. CERTAINTEED WILL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. CONTACT CERTAINTEED FOR ALL DETAILS OF LIMITED WARRANTY COVERAGE, AS THIS IS THE EXCLUSIVE WARRANTY FROM CERTAINTEED AND IN LIEU OF ANY AND ALL OTHER WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR USE AND FITNESS FOR A PARTICULAR PURPOSE.



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