

SMARTCOAT™ 405 QUICK SET ACRYLIC COATING

WHITE

Product Information



Description & Use: SMARTCOAT™ 405 Quick Set Acrylic Coating is a heavy bodied elastomeric roof coating manufactured with 100% acrylic-based polymers, reflective white pigments, high-grade biocides and formulated to resist wash off from rain within 45 minutes after application. This product achieves excellent bond strength to all common roof substrates including metal, single-ply, built-up and modified bitumen roofs. SMARTCOAT 405 has extremely high elastomeric properties, making it a tough, durable solution to seal roof surfaces, prolong roof service life and reduce interior building temperatures and associated cooling costs.

Coverage: 1.5 gallons per 100 square feet per coat, minimum 3 gallons per 100 square feet in two coats.

Precautions: DO NOT APPLY TO FLAT SURFACES WITH POOR DRAINAGE OR WHERE PONDING WATER WILL EXIST. SMARTCOAT 405 is not recommended over gravel, over walking decks, or old roofs that are too brittle and dry. Apply only at temperatures between 50°F and 110°F. Apply on warm, sunny days, preferably in the morning hours to provide maximum cure time.

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. Use wire brush to remove rust and scale from metal. Surface must be clean and dry, free of moisture both on and beneath the surface before applying SMARTCOAT PRIMER, MASTIC (if applicable) or COATING.
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 to prevent top-surface yellowing from migrating bituminous oils.
3. Carefully inspect entire roof and seal/repair all holes, cracks, tears or breaks with SMARTCOAT 300/301/370 Mastic/Sealant prior to coating. SMARTCOAT 300/301/370 can usually be coated within 24-36 hours. If solvent-based roofing cement is used to repair, it must cure for 30 days to avoid any bleed through.
4. Mechanically mix COATING before using.
5. Apply SMARTCOAT 405 at a rate of 1.5 gallons (24 wet mils) per 100 square feet. Allow coating to dry, a minimum of 4 hours, then apply second coat at a rate of 1.5 gallons per 100 square feet. For best results, apply coating in a two coat, cross hatch manner; the first application is at a right angle to the second application. Apply with a heavy-duty roller or suitable spray equipment*. Spray application is preferred as it will yield a smoother surface that will be less likely to pick up dirt.
6. Clean tools with mineral spirits or paint thinner, if coating has dried. If coating is still wet, clean up with warm soapy water. Cleanup of spray equipment containing uncured material may be accomplished by flushing with VM&P Naphtha or Rule 66 Mineral Spirits. SMARTCOAT 405 should not be left in spray guns, pump equipment and/or hoses for prolonged periods.

*Due to the viscosity of the material, a high-pressure airless paint pump capable of producing a minimum of 3500 PSI at the spray gun head should be used. The pump should have a minimum of 3 gallons per minute output and be fed by a 5:1 transfer pump to prevent cavitation. Always use components rated for pump pressure. Hoses should be BUNA- jacketed for prevention of moisture contamination. Hoses should have a minimum I.D. of 3/4" and an adequate working pressure. The spray gun should be high pressure (5000 PSI) with reverse-a- clean spray tip, having a minimum orifice of .030 and a 50° fan tip. DO NOT USE hose that has been used for silicone coatings

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

Physical Properties

Color	White
Packaging	5G, 55G
Maximum VOC	49 G/L
Tack-Free	4-8 hours
Full Cure	24-48 hours
Tensile Strength	215 psi
Elongation	336%
Solids by Volume	51%
Solids by Weight	66%

Storage, Transport & Disposal: Store in cool, dry conditions in well-sealed receptacles, max storage temperature 120°F. DO NOT ALLOW PRODUCT TO FREEZE. Keep away from heat/hot surfaces/sparks/open flames/other ignition sources. No smoking. Shelf life is 1 year from date of manufacture. 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: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing cancer (Inhalation). Harmful to aquatic life with long lasting effects. Do not handle/use until all safety precautions/instructions have been read/understood. Avoid breathing fume/mist/spray/vapors/dust. Wash hands/forearms other exposed areas thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves, protective clothing, and eye protection. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed, concerned or feeling unwell or if skin irritation or rash occurs or eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Store locked up. Dispose of contents/container in accordance with local/regional/national/territorial/provincial/international regulations.

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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