

## SMARTCOAT™ 401 HIGH SOLIDS ACRYLIC COATING

**WHITE**

### Product Information



**Description & Use:** SMARTCOAT™ 401 High Solids Acrylic Coating is a heavy bodied elastomeric roof coating manufactured with 100% acrylic-based polymers, reflective white pigments and UV reactive chemicals for enhanced dirt pickup resistance. SMARTCOAT 401 remains bright white after weathering with only a 1.5-point drop in reflectivity values (ASTM D7897) and delivers extremely high thermal and IR resistance with a 0.90 emissivity rating. This product achieves excellent bond strength to all common roof substrates including metal, single-ply, built-up and modified bitumen roofs. SMARTCOAT 401 is a durable solution to seal roof surfaces, prolong roof service life and reduce interior building temperatures and associated cooling costs.

**Coverage:** 1.5 gallon 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 401 is not recommended over gravel, over walking decks, or old roofs that are too brittle and dry.

### Product Application

1. Clean roof surface thoroughly with SMARTCOAT 100 Roof Wash. 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 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.
4. Mechanically mix COATING before using. Apply only at temperatures between 50°F and 110°F and no threat of rain for 48-72 hours. Apply on warm, sunny days, preferably in the morning hours to provide maximum cure time.
5. Apply SMARTCOAT 401 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.

For more information, see published SMARTCOAT specifications at [www.certainteed.com](http://www.certainteed.com)

### Technical Data



<b>Color</b>	White, Tan
<b>Packaging</b>	5G, 55G, 275G
<b>Maximum VOC</b>	<50g/l
<b>Solar Reflectivity (Initial/Aged)</b>	0.83/0.80
<b>Thermal Emissivity (Initial/Aged)</b>	0.90/0.90
<b>Tack-Free</b>	4-8 hours
<b>Full Cure</b>	24-48 hours
<b>Initial Tensile Strength</b>	250 psi
<b>Initial Elongation</b>	185%
<b>Tear Resistance</b>	71 lbf/in
<b>Solids by Volume</b>	54% +/-2%
<b>Solids by Weight</b>	69% +/-2%



**Storage & Disposal:** Store in cool, dry conditions in well-sealed receptacles, max storage temperature 100.4°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](http://www.certainteed.com)

### **First Aid**

**CAUTION:** Close container after each use. IF SWALLOWED: Immediately call a poison center/doctor. Do NOT induce vomiting. Keep away from heat/hot surfaces/sparks/open flames/other ignition sources. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. In case of fire use CO<sub>2</sub>, 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](mailto: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](http://www.certainteed.com)

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