

## SMARTCOAT™ 420 FIBERED ALUMINUM COATING

SILVER/REFLECTIVE

### Product Information



**Description & Use:** SMARTCOAT™ 420 Fibered Aluminum Coating is a heavy-duty fibered aluminum coating that gives maximum reflectivity while giving unsurpassed protection against moisture and corrosion. Our unique formulation forms a heavy, brilliant, silvery finish that preserves, prevents rust, inhibits fungus and reflects over 70% of the sun's damaging rays, while reducing interior temperatures. Our use of paint grade aluminum pigment (as opposed to the coarser, less leafing "roofing" grade) gives a much finer leafing effect and a vastly superior coating to other brands. Our use of naturally occurring bituminous resins fortifies the asphalt with unparalleled strength to give it greater resistance to the damaging effects of the elements. SMARTCOAT 420 Fibered Aluminum Coating meets or exceeds all the requirements of ASTM D 2824-06 Type III and Federal Specification TTC 1079.

**Coverage:** 1 - 1.5 gallons per 100 square feet.

**Precautions:** This coating is not recommended over PVC sheet roofing, rubber, gravel, shingles of any kind, or old roofs that are too dry and brittle. Applying SMARTCOAT 420 directly over hot applied asphalt can result in alligatoring. Apply according to ASTM D3805. When applying over new modified bitumen roof membranes, allow a minimum of 30 days after installation before coating.

### 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 420.
2. Carefully inspect entire roof and seal/repair all holes, cracks, tears or breaks with reinforcing fabric and FlintPatch® prior to coating. Allow FlintPatch or any solvent-based repair to cure a minimum of 30 days prior to coating with SMARTCOAT 420.
3. Mechanically mix COATING before using. Stir thoroughly before and during application. Recommended to apply at temperatures between 50°F and 110°F and no threat of rain for 24 hours. Apply on warm, sunny days, preferably in the morning hours to provide maximum cure time.
4. Apply SMARTCOAT 420 with a soft bristle brush, paint roller or heavy duty spray equipment at a rate of 1 - 1.5 gallons (16-24 wet mils) per 100 square feet. Avoid over application. Do not work coating excessively during application. Attempt to brush or roll on in one direction.
5. Clean tools with mineral spirits or paint thinner.

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

### Physical Properties

<b>Color</b>	Silver
<b>Dry to Touch</b>	1-2 hours
<b>Packaging</b>	5G, 55G
<b>VOC</b>	500 G/L
<b>Consistency</b>	Semi Mastic
<b>Weight</b>	7.8 ± 0.3 lbs./G
<b>Flash Point (T.C.C.)</b>	105°F+

**Storage & Disposal:** Store in cool, dry conditions in well-sealed receptacles, max storage temperature 100°F. 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)

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### **First Aid**

**DANGER:** Flammable liquid and vapor. Causes skin reaction. Causes serious eye irritation. May cause genetic defects. May cause cancer. Route of exposure: Inhalation. Causes damage to the central nervous system through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Do not breathe dust/fume/gas/mist/vapors/spray. IF ON SKIN: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. If symptoms persist, consult a doctor. IF SWALLOWED: Immediately call a poison center/doctor. Do NOT induce vomiting. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### **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 a five (5) year Limited Warranty on SMARTCOAT 420 Fibered Aluminum Coating.

For more details, please see the SMARTCOAT Warranty Overview on [www.certainteed.com](http://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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