

SMARTCOAT™ 650 SILICONE TRAFFIC COAT SAFETY YELLOW

Product Information



Description & Use: SMARTCOAT™ 650 Silicone Traffic Coat System is comprised of a single part, 100% silicone roof coating, with the option to broadcast ceramic roof granules, designed to protect walking areas and paths on low-slope roofing systems. SMARTCOAT 650 can be used on coated and liquid applied roof systems as well as granulated BUR/Mod-Bit, granulated APP, concrete, metal, single-ply membranes and spray polyurethane foam (SPF) systems. SMARTCOAT 650 Traffic Coat forms a high visibility safety border and/or textured non-slip surface with very high abrasion resistance. When applied properly it will protect the roof surface from damage due to foot traffic. It will also provide a non-slip surface adding an extra level of safety for personnel walking on the roof surface. Granulation of the surface also makes the system stronger, helps wick off water more quickly, helps discourage birds from landing on the roof, helps in hiding dirt, while maintaining an aesthetically appealing, monolithic roof. SMARTCOAT 650 allows the normal flow of water on the roof surface. It does not block or dam water like roof protection pads and sheets.

Coverage: 1G gallons per 100 square feet, #11 ceramic granules broadcast to refusal/rejection/saturation for non-slip surface.

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. Allow surface to completely dry before applying SMARTCOAT 650.
2. SMARTCOAT 650 is intended as a direct-bond roof coating. However, 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 discoloration from migrating bituminous oils.
3. Product may separate after shipping and storage, though it may still look mixed. Mechanically mix COATING before using. Do not thin product with solvent or other solutions. Apply only at temperatures between 40°F and 110°F and no threat of rain during application window or at least 1 hour after application has ended.
4. Using short nap or smooth roller, apply to the properly prepared surface at the rate of 1 gallon (16 wet mils) per 100 square feet.
5. If granulating the surface, broadcast CertainTeed Roofing Granules or #11 Ceramic Roofing Granules into wet to completely saturate the surface, or to refusal or rejection. Allow product to dry for 24 hours for light foot traffic and at least 72 hours for heavy foot traffic.

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

Physical Properties

Color	Safety Yellow
Packaging	5G
Maximum VOC	<50 G/L
Tack-Free	Less than 8 hours (RH dependent)
Full Cure	8-72 hours
Tensile Strength	>240 psi @ 73°F
Elongation	>270% @ 73°F
Tear Resistance	>23 lbf/in @ 73°F
Solids by Volume	>95%
Solids by Weight	>96%
Permeance (Method B)	3.4 perms
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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