TopShield® PRO
Uncompromising Commitment to Quality

APP-G CR White

APP Modified Bitumen Polyester Cap Sheet
with Highly Reflective Mineral Surface



TopShield®Pro's highly solar-reflective, granulated, torch-applied, APP-modified bitumen cap sheet, **APP-G CR White** is valued for its quick melt and decades of consistent quality while delivering increased occupant comfort and energy savings.

PRODUCT COMPOSITION AND FEATURES:

TopShield®PRO APP-G CR White is a robust 4.0 mm membrane manufactured with a resilient polyester reinforcement, offering exceptional durability and resistance to weathering while reducing thermal heat gain, improving building comfort and reducing energy cost.

APPLICATION METHOD

- Torch

STORAGE AND HANDLING

TopShield®PRO APP-G CR White rolls must be stored above ground indoors and protected from the elements. Rolls that are improperly stored or have been on hand for prolonged periods of time may lose their tack. Do not attempt to install rolls that do not exhibit an adequate bond.

WARRANTIES

CertainTeed offers Limited (product only) and No Dollar Limit (NDL, product and workmanship) warranties. Warranty type and duration is dependent on roof system configuration and contractor selection. CertainTeed Gold and Silver Star Contractors are eligible to apply for NDL warranties on specific roof projects. For more information, see CertainTeed Commercial Roof Systems Specifications Manual or contact Commercial Roofing Technical Services.

TECHNICAL ASSISTANCE AND SERVICES

CertainTeed provides technical assistance in the design, selection, specification and application guidelines of CertainTeed's Commercial Roof Systems. Architectural and field representatives are available for consultation within each region.

For more information, contact CertainTeed Commercial Roofing Technical Services at 800-396-8134 x2

CODES AND APPROVALS

Meets or exceeds ASTM D6222, Grade G, Type I

Product qualified for use as a component of a FORTIFIED Roof™. Additional requirements, eligibility criteria and restrictions apply. For details, visit FORTIFIEDHome.org.

SPECIFICATIONS	
Roll Dimensions	39⅜" x 32' 10"
Nominal Coverage	One Square
Approximate Weight	93 lbs. per roll
Top Surface	Highly Reflective CoolStar Granules
Back Surface	Torchable Polyethylene Film
Packaging	25 Rolls per package
Compound	Non-oxidized (flux) asphalt, blended with various thermoplastic atactic polypropylene polymers and co-polymers.
Reinforcement	High performance, stress-resistant polyester mat.

TEST DESCRIPTION	TEST METHOD	*RESULTS
Solar Reflectance (SR) Initial/Aged	ASTM D7897 Rapid Rating	.73/.63
Solar Reflectance Index (SRI) Initial/Aged	ASTM E1980-79 Rapid Rating	90/76
Softening Point:	ASTM D36	310ºF
Tensile Strength	ASTM D5147 @ 73.4 +/- 3.6°F MD/XD @ 0 +/- 3.6°F MD/XD	100/60 lbs./in. 130/80 lbs./in.
Elongation	ASTM D5147 @ 73.4 +/- 3.6°F MD/XD @ 0 +/- 3.6°F MD/XD	45%/55% 30%/20%
Dimensional Stability	ASTM D5147 MD/XD	0.5%/0.3%
Low Temperature Flex	ASTM D5147	Pass @ 8°F
Compound Stability	ASTM D5147	250ºF
Thickness	ASTM D5147	4.0 mm (160 mils)
Tear Strength	ASTM D5147 @ 73.4 +/- 3.6°F MD/XD	130/90 lbs.

***NOTE:** Published results are nominal production values confirmed by independent laboratory testing.**

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APP Modified Bitumen Polyester Cap Sheet with Mineral Surfaces

PRODUCT APPLICATION:

TopShield®PRO APP-G CR White modified bitumen roofing systems must be applied in accordance with installation procedures contained in the CertainTeed Commercial Roof Systems Specifications. The following information is intended for general information purposes only and is not all-inclusive.

Limitations: TopShield®PRO APP-G CR White is intended for torch application only and should not be exposed to adhesives or solvent based materials. Rolls should be stored upright, off the ground and completely protected from the weather. Roof decks must be structurally sound, dry, smooth and meet or exceed minimum requirements of the deck manufacturer, local code and CertainTeed. Additional specifications and precautions are contained in the CertainTeed Commercial Roof Systems Specifications.

Preparation: Substrates to receive a roof system must be firmly attached, smooth, dry, clean and free of sharp projections and depressions. Substrates requiring priming must be primed with asphalt primer and be allowed to completely dry. Substrates must provide positive drainage. Roof must be tapered to drains.

Installation: Install one ply of base sheet lapping 2" on sides and 4" on ends. Base sheet must be mechanically fastened to nailable substrates, and either solid or spot mopped in hot asphalt to non-nailable or insulated substrates as specified in the CertainTeed Commercial Roof Systems Specifications. Apply base sheet in such a manner as to provide and maintain a minimum 6" offset between side and end laps of base ply and **TopShield®PRO APP-G CR White** finishing membrane. Over the base ply, install one ply of **APP-G CR White** lapping 3" on sides and 6" on ends, with end laps diagonally staggered not less than 3' apart. Side and end laps should be inspected to ensure a minimum 3/8" flow of modified compound has been achieved.

Precautions: Cold weather applications require special handling to prevent damage to the rolls and ensure satisfactory installation. Do not apply roofing systems over improperly prepared substrates or substrates that contain moisture. Follow all safety recommendations relating to the use and maintenance of liquid propane gas torches and equipment. Refer to the CertainTeed Commercial Roof Systems Specifications for additional safety information.

Maintenance: TopShield® PRO Roof Systems do not require any additional maintenance beyond normal yearly roof maintenance procedures. CertainTeed recommends regular roof maintenance and inspection to determine the condition of drains, flashings and other similar items, and to prolong the life expectancy of the roof system.

WARRANTIES:

SRS Distribution (SRS) warrants to the original building owner (Owner) that the Product described above, will remain free of manufacturing defects until the Warranty Expiration Date.

CAUTION FIRE HAZARD:

Torch application of this product may create a risk of fire, including smoldering fires. The roofing applicator is solely responsible for ensuring and enforcing safe and proper application of CertainTeed's roofing products by competent and qualified personnel. Only properly trained roofing professionals are authorized to install this product.

Never apply flame directly to combustible materials or allow the flame to enter into hidden or protected areas that may contain combustible materials. Follow all local code requirements. Have a Class A-B-C fire extinguisher available to each applicator. Thoroughly inspect the job site whenever torching equipment has been used. Be certain that all chances of a fire have been eliminated.

Refer to the CertainTeed Commercial Roof Systems Specifications, Midwestern Roofing Contractors Association (MRCA) CERTA program, National LP Gas Association, National Roofing Contractors Association (NRCA), National Fire Protection Association (NFPA), and Asphalt Roofing Manufacturers Association (ARMA) for further information and safety recommendations.

Scan the QR code to access additional information