

## Description

ASC APP 4.5 CW is premium granulated cap sheet with a highly reflective granule surface. ASC APP 4.5 CW is designed for use as a cap sheet in APP multi-ply roofing systems. It can be used over various substrates for both new construction and reroofing. It is suitable for most low sloped roof decks and may be used for roof system flashings including wall treatments, base flashings, and field flashings. ASC APP 4.5 CW is specifically engineered with reflective roofing granules for high reflectivity and optimal embedment in the APP modified bitumen sheet.

## Composition and Materials

ASC APP 4.5 CW is an Atactic Polypropylene (APP) modified bitumen roofing membrane reinforced with a high performance, stress-resistant polyester mat that provides flexibility and dimensional stability as well as excellent tear and puncture resistance. The top is constructed with a highly reflective granules while the bottom has a factory applied burn-off film for heat welding applications.

## Application

ASC modified bitumen roofing systems must be applied in accordance with installation procedures contained in the ASC Roof Systems Specifications. The following information is intended for general information purposes only and is not all-inclusive.

**Preparation:** Substrates to receive a roof system must be firmly attached, smooth, dry, clean and free of sharp projections and depressions. Substrates must provide positive drainage. Roof must be tapered to drains.

When re-roofing, remove all prior roofing material down to a clean and debris-free substrate and properly close off all abandoned roof penetrations. Concrete or steel decks shall be designed with proper expansion devices. Wood decks shall have all joints blocked and properly supported. Ensure the fire rating of the assembly over any combustible substrate. Ensure the installation of ASC APP 4.5 CW does not prevent the ventilation of existing construction. Do not apply over shingles or and granulated surface.

**Installation:** Install one ply of ASC APP 2.0 Torch Base Sheet lapping 2" on sides and 4" on ends. ASC APP 2.0 Torch 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 ASC Roof System Specifications. Apply ASC APP 2.0 Torch Base Sheet in such a manner to provide and maintain a minimum of 6" offset between side and ends laps of base ply and ASC finishing membrane. Over the base ply, install 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.

Details and flashing may be installed using the ASC APP 4.5 CW with torch applied techniques. Do not use cold adhesives or hot asphalt. Check project details for proper installation requirements.

**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 relation to the use and maintenance of liquid propane gas torches and equipment.

## Technical Assistance

ASC Building Materials provides technical assistance in the product selection, specification and application guidelines for all ASC Roof Systems. Field representatives are available for consultation in each region.

For more information, contact ASC Building Materials Technical Services at 562-777-8200 or sales@asc-bm.com

## CAUTION: FIRE HAZARD

Torch application of ASC APP 4.5 CW may threaten fire if strict application standards and procedures are not followed. Only properly trained roofing professionals are authorized to install this product. In addition, a fire watch should be maintained on the project for no less than 60 minutes following the last heat-welded work of the day. An ABC-approved fire extinguisher should be on the site for each torch in operation.

## WARRANTY AND DISCLAIMER

ASC Building Materials 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.


ASC Building Materials warrants to the original purchaser that this product is free from any manufacturing defects that will materially affect the products performance for a period of one year. In the event there is a failure associated with a manufacturing defect of this product, ASC Building Materials shall, at its own discretion, provide the appropriate replacement product(s) or pay for the cost of the defective product only. There is no warranty for labor or installation costs of any kind. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ASC BUILDING MATERIALS SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. Contact ASC Building Materials prior to ordering for the most recent and up to date data sheet. For additional limited warranty and disclaimer information contact the ASC Building Materials corporate office at 562-777-8200.

## Product Specifications

Roll Size:	1 square (100 ft <sup>2</sup> )
Roll Length:	32.25'
Roll Width:	39.625'
Approx Weight:	110 lbs.
Rolls Per Pallet:	24

## Physical Properties (ASTM D5147)

Peak load at 73°F (23°C) min	50lbf./in. (8.8)kn/m
Elongation at Peak Load at 73°F (23°C)	23%
Tear Strength at 73°F (23°C)	70 lbf (311) N
Low Temperature Flexibility, max, F° (C°)	32°F (0°)
Granule Embedment, g	2

	<b>Rated Product ID #: 1202-0011a</b>		
		<b>Initial</b>	<b>Aged</b>
	<b>Solar Reflectance</b>	<b>0.84</b>	<b>0.74*</b>
	<b>Thermal Emittance</b>	<b>0.88</b>	<b>0.89*</b>
<small>The ratings above are subject to CRRC rating program conditions, requirements, and limitations. Visit coolroofs.org for important information and disclaimers about CRRC rating conditions, requirements, and limitations.</small>			
<small>*CRRC Rapid Ratings: Interim laboratory-aged values that simulate naturally-aged values and will be replaced by the measured three-year naturally-aged values upon completion of the weathering process.</small>			

Solar Reflectance Index SRI: 91



# ASC APP 4.5 CW

Premium Polyester Reinforced, APP Reflective Mineral-Surfaced  
Cool Roof Cap or Flashing Sheet

Product Application:  
Heat-Weld