



EVALUATION REPORT

FLORIDA BUILDING CODE, 8TH EDITION (2023)

Manufacturer: AMERICAN STANDARD COATINGS
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Issued June 11, 2025

Manufacturing Plants: Chatsworth, CA

Quality Assurance: FM Approvals (QUA1860)

SCOPE

Category: Roofing
Subcategory: Modified Bitumen Roof System
Code Edition: Florida Building Code, 8th Edition (2023)
Code Sections: 1504.3.1, 1504.6, 1507.2.9.2, 1507.10.2, 1507.11.2,
Properties: Wind Resistance, Physical Properties

PRODUCT DESCRIPTION

Products	Specification	Description
ASC APP 2.0 Torch Base Sheet	ASTM D 6509	APP modified asphalt, fiberglass reinforced, smooth surfaced base sheet
ASC APP 4.5 CW	ASTM D 6222	APP modified asphalt, polyester reinforced, surfaced with reflective roofing granules
ASC APP 4.5 G	ASTM D 6222	APP modified asphalt, polyester reinforced, surfaced with roofing granules

REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standards</u>	<u>Year</u>
PRI Construction Materials Technologies (TST5878)	1683T007	ASTM D 6222	2016
PRI Construction Materials Technologies (TST5878)	1683T008	ASTM D 6222	2016
PRI Construction Materials Technologies (TST5878)	1683T013	FM 4470	2016
PRI Construction Materials Technologies (TST5878)	1683T014	FM 4474(D)	2011
PRI Construction Materials Technologies (TST5878)	1683T020	ASTM D 6509	2016



LIMITATIONS

1. This report is not for use in the HVHZ.
2. Fire classification is not within the scope of this evaluation.
3. The roof deck and the roof deck attachment information are provided based on testing. FBC requirements for the rational design of the roof deck, including the attachment, are not within scope of this evaluation.
4. Foam plastic insulation shall be installed in accordance with the FBC Section 2603.4 and 2603.6.
5. Installation of the evaluated products shall comply with this report, the FBC, and the manufacturer's published application instructions. Where discrepancies exist between these sources, the more restrictive and FBC compliant installation detail shall prevail.
6. The minimum roof slope shall be 1/4:12 for new construction.
7. For assemblies containing mechanical attachment or adhered in ribbon-applied adhesive, the allowable uplift pressure for the selected assembly shall meet or exceed the minimum design loads as determined in accordance with the FBC Chapter 16. The attachment density may be increased by a qualified design professional, as necessary, to meet the design pressure requirements in the periphery zones. Calculations shall be conducted in compliance with RAS 117, RAS 137, or Section 2.2.10.1 FM LPDS 1-29 (July 2022).
8. Reroofing applications shall be examined in accordance with FBC Section 1511. For mechanically fastened systems, a field withdrawal resistance test (TAS 105 in the HVHZ; ANSI/SPRI FX-1 or TAS 105 in the non-HVHZ) shall be conducted by a qualified professional to ensure the fastener meets the minimum design load requirements of the system. For adhered systems, a field uplift resistance test (TAS 124 in the HVHZ; ASTM E 907, FM LPDS 1-52, ANSI/SPRI IA-1, or TAS 124 in the non-HVHZ) shall be conducted to confirm conformance of the pre-existing substrate to the minimum design loads.
9. For assemblies adhered in ribbon-applied adhesive, the allowable uplift pressure for the selected assembly shall meet or exceed the minimum design loads as determined in accordance with the FBC Chapter 16. The attachment density may be increased by a qualified design professional, as necessary, to meet the design pressure requirements in the periphery zones. Calculations shall be conducted in compliance with Section 2.2.10.1 FM LPDS 1-29 (July 2022).
10. All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.



COMPLIANCE STATEMENT

This report has been prepared in accordance with F.A.C. Rule 61G20-3.



This item has been
digitally signed and
sealed by Zachary R.
Priest, PE, on 6/11/2025.

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Zachary R. Priest, P.E.
Florida Registration No. 74021
Organization No. ANE9641

CERTIFICATION OF INDEPENDENCE

CREEK Technical Services, LLC does not have, nor will it acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

CREEK Technical Services, LLC is not owned, operated, or controlled by any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

APPENDICES

- 1) [APPENDIX A](#) – Installation (1 page)
- 2) [APPENDIX B](#) – Nomenclature and Approved Assemblies (1 page)



INSTALLATION

Note - Refer to the [APPROVED ASSEMBLIES](#) section of this report within Appendix B for specific installation details of a selected assembly.

Unless otherwise specified in this report the following installation details shall be met for the named products:

Component	Product	Installation Detail
Fastening Systems	OMG #12 Standard RoofGrip Fasteners	#12 fasteners; Min. 3/4-inch penetration through the wood deck
	OMG 3-in. Ribbed Galvalume Plate (Flat)	3-inch diameter round; Galvalume steel plate
Insulation/Cover Boards	Georgia-Pacific DensDeck Prime	Min. 0.25-inch thick
Base/Ply Sheets	ASC APP 2.0 Torch Base Sheet	Min. 3-inch wide side-laps; Min. 6-inch end laps; Side-laps shall be installed parallel to the direction of the wood trusses for mechanically attached systems
Cap Sheets	ASC APP 4.5 CW	Min. 3-inch wide side-laps; Min. 6-inch end laps
	ASC APP 4.5 G	

APPROVED ASSEMBLIES

The following notes shall be observed when using the assembly tables below.

1. MDPs (Maximum Design Pressure) were calculated using a 2:1 margin of safety per FBC Section 1504.9.
2. Refer to [LIMITATIONS](#) and sections of this evaluation when using the table(s) below.
3. Refer to [INSTALLATION](#) section of this report for installation detail when the information is not explicitly stated for the selected assembly.
4. The on-center (o.c.) spacing given is the maximum allowable attachment spacing for the rated system.
5. Plywood shall be PS 1-19 minimum CAT 15/32, 32/16 span rated, CDX plywood sheathing installed over structural supports spaced a maximum 24-inch o.c.

Mechanically Attached Membranes over Insulated Wood Deck (New, Pre-existing, or Recover)								
System No.	Deck Detail ⁵	Thermal Barrier	Insulation	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	MDP (psf)
W-M-1	Min. 15/32 Plywood	0.25-inch DensDeck Prime	OPTIONAL	ASC APP 2.0 Torch Base Sheet	OMG #12 Standard RoofGrip Fasteners and OMG 3-in. Ribbed Galvalume Plate (Flat) fastened 12-inch o.c. along the 3-inch side laps and 12-inch o.c. in two (2) equally spaced, staggered rows between the laps	OPTIONAL ASC APP 2.0 Torch Base Sheet	ASC APP 4.5 G or ASC APP 4.5 CW Torch Adhered	-90 (Lim.7)

END OF REPORT