



EVALUATION REPORT

FLORIDA BUILDING CODE, 8TH EDITION (2023)

Manufacturer: KARNAK CORPORATION
 330 Central Avenue
 Clark, NJ 07066
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www.karnakcorp.com

Issued August 15, 2023

Manufacturing Plants: Clark, NJ

Quality Assurance: FM Approvals (QUA1860)

SCOPE

Category: Roofing
Subcategory: Cements -Adhesives-Coatings
Code Sections: 1507.10.2, 1507.14.3, 1507.15.2
Properties: Physical Properties

REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
PRI Construction Materials Technologies (TST5878)	KAR-116-02-01	ASTM D 6083	2021
PRI Construction Materials Technologies (TST5878)	KAR-117-02-01	TAS 139	1995
PRI Construction Materials Technologies (TST5878)	KAR-118-02-01	TAS 139	1995

PRODUCT DESCRIPTION

Products	Specification	Description
502 MS Karna-Flex	TAS 139	A single-component, thermoplastic rubber based, elastomeric sealant that is applied to wet or dry surfaces by brush or trowel
505 MS Karna-Flex WB	TAS 139	A single-component, water-based, white elastomeric acrylic mastic that is applied by brush or trowel
502RC-W Elasto-Kote	ASTM D 6083, Type I	A single-component, highly elastic, thermoplastic rubber based waterproofing coating that is applied by spray, brush or roller



APPLICATION

The following notes shall be observed when using the application instructions below:

1. All surfaces shall be repaired, clean, dry, and free of debris and ponding water prior to application.
2. Minimum allowable temperature shall be 50° F. Contact manufacturer for use in temperatures below 50° F.
3. Applications are valid for new and existing roof systems.

Product	Substrate	Application Detail
502 MS Karna-Flex	BUR Membranes Concrete EPDM Single-Ply Membranes Galvanized Steel Metal Panels Hypalon (CSPE) Single-Ply Membranes PVC Single-Ply Membranes TPO Single-Ply Membranes Spray Polyurethane Foam Roofs Wood	<p>For sealing flashings and lap seams: Use fabric reinforcement between layers of 502 MS Karna-Flex. Apply sealer in a 1/16" to 1/8" width then immediately embed Karnak 5540 Resat-Mat polyester fabric into the wet coating. Smooth out fabric then apply another layer of sealer. Some shrinkage may occur and require an additional application of 502 MS Karna-Flex.</p> <p>For metal roofing: For Horizontal Seams and Cracks 1/16" wide or larger: Using Karnak 560 Karna-Bond Fleece Tape, adhere tape to crack as directed per product application guidelines. Apply 502 MS Karna-Flex at an average thickness of 1/16" to completely cover the polyester face of the tape and feather out. Allow to cure 24 hours. OR Using Karnak Resat-Mat, apply a 1/16" thick application of 502 MS Karna-Flex then immediately embed one ply of Resat-Mat polyester fabric into the wet coating. Smooth out fabric then apply another layer of 502 MS Karna-Flex. Allow to cure 24 hours.</p> <p>For Screws/Fasteners: Apply a dollop of 502 MS Karna-Flex to completely enclose the screw/fastener with either a 2" wide brush or bulk loading caulking gun. Allow to cure 24 hours.</p> <p>For Vertical Seams and Cracks less than 1/16": Back brush a minimum 2" wide application of 502 MS Karna-Flex at an appropriate thickness of 1/16" to 1/8".</p>



Product	Substrate	Application Detail
505 MS Karna-Flex WB	BUR Membranes Concrete EPDM Single-Ply Membranes Galvanized Steel Metal Panels Hypalon (CSPE) Single-Ply Membranes PVC Single-Ply Membranes TPO Single-Ply Membranes Spray Polyurethane Foam Roofs Wood	For sealing flashings and lap seams: Use fabric reinforcement between layers of 505 MS Karna-Flex WB. Apply sealer in a 1/16" to 1/8" width then immediately embed Karnak 5540 Resat-Mat polyester fabric into the wet coating. Smooth out fabric then apply another layer of sealer. Some shrinkage may occur and require an additional application of 505 MS Karna-Flex WB. For metal roofing: For Horizontal Seams and Cracks 1/16" wide or larger: Using Karnak 560 Karna-Bond Fleece Tape, adhere tape to crack as directed per product application guidelines. Apply 505 MS Karna-Flex WB at an average thickness of 1/16" to completely cover the polyester face of the tape and feather out. Allow to cure 24 hours. OR Using Karnak Resat-Mat, apply a 1/16" thick application of 505 MS Karna-Flex WB then immediately embed one ply of Resat-Mat polyester fabric into the wet coating. Smooth out fabric then apply another layer of 505 MS Karna-Flex WB. Allow to cure 24 hours. For Screws/Fasteners: Apply a dollop of 505 MS Karna-Flex WB to completely enclose the screw/fastener with either a 2" wide brush or bulk loading caulking gun. Allow to cure 24 hours. For Vertical Seams and Cracks less than 1/16": Back brush a minimum 2" wide application of 505 MS Karna-Flex WB at an appropriate thickness of 1/16" to 1/8".
502 RC-W Elasto-Kote	Concrete Galvanized Steel Metal Panels Hypalon (CSPE) Single-Ply Membranes Spray Polyurethane Foam Roofs TPO Single-Ply Membranes	Prime with 502 Self-Priming Base Coat at a min. rate of 1.25 gal/100 ft ² ; followed by 502 RC-W Elasto-Kote at min. rate of 1.5 gal/100ft ²
	EPDM Single-Ply Membranes	Clean with 507 SPC Primer/Wash (rinseable); prime with 502 Self-Priming Base Coat at a min. rate of 0.5 gal/100 ft ² ; followed by two (2) coats of 502 RC-W Elasto-Kote at min. rate of 1.25 gal/100ft ² per coat

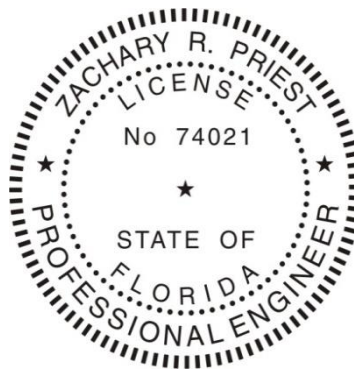


LIMITATIONS

1. This report is not for use in the HVHZ.
2. Fire classification is not within the scope of this evaluation.
3. Structural integrity of the roofing substrate or assembly is not within scope of this evaluation. Refer to the appropriate product approval for installation of these components within a roof assembly.
4. Installation of the evaluated products shall be in strict compliance with this evaluation report, the FBC, and the manufacturer’s published installation instructions. In the event of conflict, the more restrictive and FBC compliant installation shall be enforced.
5. This product shall not be applied in inclement weather conditions.
6. This product may be used as described in other current FBC product approval documents.
7. Refer to manufacturer’s published instructions for proper storage and shelf life considerations.
8. All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.

COMPLIANCE STATEMENT

The products evaluated herein by Zachary R. Priest have demonstrated compliance with the Florida Building Code, 8th Edition (2023) as evidenced in the referenced documents submitted by the named manufacturer.



This item has been digitally signed and sealed by Zachary R. Priest, PE, on 8/15/2023.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Zachary R. Priest, P.E.
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END OF REPORT