DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
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Miami, Florida 33175-2474
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NOTICE OF ACCEPTANCE (NOA)

Firestone Building Products, Inc.
250 W. 96th Street
Indianapolis, IN 46260

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.
This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Firestone Adhesives

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This renews NOA#12-0601.02 and consists of pages 1 through 6.
The submitted documentation was reviewed by Alex Tigera.

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Cements, Adhesives and Coatings
Type: Adhesives
Material: Solvent Based Adhesive

SCOPE:

This approves Firestone Adhesives, as described in this Notice of Acceptance. The use of this acceptance is limited to those roof assemblies were Firestone Adhesives as listed herein are specifically listed as an accepted component.

PHYSICAL PROPERTIES OF COMPONENTS:

XR Bonding Adhesive:
Manufacturing Location : ***South Bend, IN***

Property	Standard	Criteria
Material	Per Manufacturer	Nitrile rubber & Solvents
Percent Solids	Per Manufacturer	Between 35.5% to 41.5%
Viscosity	ASTM D 1084	3,000-6,000 cPs
Specific Gravity	Per Manufacturer	0.838-0.926
Weight per Gallons	Per Manufacturer	7.1-7.9 lb/gal.

QuickSeam™ Tape:
Manufacturing Location : ***Prescott, AZ***

Property	Standard	Criteria
Material	Per Manufacturer	Rubber Polymers
Percent Solids	Per Manufacturer	100%
Viscosity	Per Manufacturer	None
Specific Gravity	ASTM D 1876	7.1 lbf/in.
Weight per Gallons	Per Manufacturer	0.030”± 0.005”

Multi-Purpose MB Cold Adhesive:
Manufacturing Location : ***Garland, TX***

Property	Standard	Criteria
Material	Per Manufacturer	Asphalt
Percent Solids	Per Manufacturer	≥ 82%
VOC Content	Per Manufacturer	≤ 205 g/L
Viscosity	Per Manufacturer	20,000 cPs
Water Volume	ASTM D 95	0.4%
Solubility in TCE	ASTM D 4	72%
Lap Strength	ASTM D 3019	69.7 lbf/in
Specific Gravity	Per Manufacturer	1.14
Weight per Gallons	Per Manufacturer	10.5 lb/gal

UltraPly™ Bonding Adhesive: *Manufacturing Location :* ***South Bend, IN***		
Property	**Standard**	**Criteria**
Material	Per Manufacturer	Polychloroprene & SBS Rubbers & Solvents
VOC Content	Per Manufacturer	633 g/L
Density	ASTM D 1475	7.1 lbs/gal
Viscosity	ASTM D 2196	3320 cP, #4 spindle @ 20 rpm
T-Peel Strength (to UltraPly TPO)	ASTM D 1876	2.9 lbf/in.
Specific Gravity	Per Manufacturer	0.7909-0.8868
Weight per Gallons	Per Manufacturer	6.6-7.4 lb/gal

Water Based Bonding Adhesive-P: *Manufacturing Location :* ***Bridgewater, NJ***		
Property	**Standard**	**Criteria**
Material	Per Manufacturer	Acrylic with Water Based Solvent
Percent Solids	Per Manufacturer	57% min.
VOC Content	Per Manufacturer	< 250 g/L
Density	ASTM D 1475	8.7 lbs/gal
Viscosity	ASTM D 2196	10,200 cP, #4 spindle @ 20 rpm
T-Peel Strength (to UltraPly TPO)	ASTM D 1876	2.1 lbf/in.
Specific Gravity	Per Manufacturer	1.05 ± 0.05
Weight per Gallons	Per Manufacturer	8.345-9.170 lb/gal

LiquiGard™ Adhesive (Two Component, Parts A & B): *Manufacturing Location :* ***Peterborough, NH***		
Property	**Standard**	**Criteria**
Material	Per Manufacturer	Polyurethane
Percent Solids	Per Manufacturer	100%
VOC Content	Per Manufacturer	None
Density	ASTM D 1475	Part A: 8.4 lb/gal Part B: 10.2 lb/gal
Viscosity	ASTM D 2196	Part A: 19,400 cPs, #4 spindle @ 10 rpm Part B: 97 cPs, #2 spindle @ 50 rpm
T-Peel Strength (to SBS Base)	ASTM D 1876	10.7 lbf/in
Specific Gravity	Per Manufacturer	Part A: 1.00 Part B: 1.21

Single-Ply LVOC Primer: *Manufacturing Location :* ***South Bend, IN***		
Property	**Standard**	**Criteria**
Material	Per Manufacturer	Rubber Polymers & Solvents
Percent Solids	Per Manufacturer	Between 11.0% to 12.5%
Viscosity	ASTM D 2196	42 cPs, #2 spindle @ 100 rpm
Specific Gravity	Per Manufacturer	0.961-1.057
Weight per Gallons	Per Manufacturer	8.0-8.8 lb/gal

EcoWhite™ QuickSeam™ Splice Tape: *Manufacturing Location:* ***Michigan Center, MI***		
Property	**Standard**	**Criteria**
Material	Per Manufacturer	Rubber Polymers
Percent Solids	Per Manufacturer	100%
Percent Solvents	Per Manufacturer	None
Seam Strength	ASTM D6878	144.1 lbf
Thickness	Per Manufacturer	0.030”± 0.005”

Single-Ply QuickPrime™ Primer: *Manufacturing Location:* ***Michigan Center, MI***		
Property	**Standard**	**Criteria**
Material	Per Manufacturer	Sythetic Rubber Polymers & Solvents
Percent Solids	Per Manufacturer	15% (nominal)
VOC Content	Per Manufacturer	645 g/L
Viscosity	ASTM D 2196	170.8 cPs, #2 spindle @ 100 rpm 70.8 cPs, #3 spindle @ 100 rpm
Density	Per Manufacturer	6.5 lb/gal
Specific Gravity	Per Manufacturer	0.78

XR Stick™ (Two Component, Parts 1 & 2) : *Manufacturing Location:* ***Pawtucket, RI***		
Property	**Standard**	**Criteria**
Material	Per Manufacturer	Part 1: Polymeric MDI Part 2: Polyurethane Component
Product Max Ratio (Parts 1 & 2)	Per Manufacturer	1:1
VOC Content	Per Manufacturer	≤ 13 g/L
Viscosity	Per Manufacturer	Part 1: 400-600 cPs Part 2: 250-400 cPs
Compressive Strength	ASTM D 1621	24.4 psi
Density	ASTM D 1622	5.43 pcf
Water Absorption	ASTM D 2842, B	6.9%
Specific Gravity	Per Manufacturer	Part 1: 1.23 Part 2: 1.02

Single-Ply LVOC Bonding Adhesive: *Manufacturing Location:* ***South Bend, IN***		
Property	**Standard**	**Criteria**
Material	Per Manufacturer	Polychloroprene Rubber & Solvents
Percent Solids	Per Manufacturer	22%
VOC Content	Per Manufacturer	≤ 250 g/L
Viscosity	ASTM D 2556	3150 cPs
Specific Gravity	Per Manufacturer	0.875-0.9111
Weight per Gallons	Per Manufacturer	7.45 ± 0.15 lb/gal

Single-Ply LVOC Bonding Adhesive 1168: *Manufacturing Location:* ***South Bend, IN***		
Property	**Standard**	**Criteria**
Material	Per Manufacturer	Polychloroprene Rubber & Solvents
Percent Solids	Per Manufacturer	22%
VOC Content	Per Manufacturer	≤ 250 g/L
Viscosity	ASTM D 2556	3170 cPs
Specific Gravity	Per Manufacturer	1.1
Weight per Gallons	Per Manufacturer	9.2

INSTALLATION:

All Firestone Adhesives listed herein shall be installed in strict compliance with the roof assembly's assemblies Notice of Acceptance, and manufacturers published literature.

MANUFACTURING LOCATIONS

1. Prescott, AR
2. Garland, TX
3. South Bend, IN
4. Bridgewater, NJ
5. Peterborough, NH
6. Michigan Center, MI
7. Pawtucket, RI

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Specification	Date
Underwriters Laboratories, Inc.	R9516	Physical Properties	05/15/08
PRI Construction Materials	FBP-081-02-01	Physical Properites	09/12/12
Technologies, LLC	FBP-078-02-01	Physical Properites	09/18/12
	FBP-079-02-02	Physical Properites	09/12/12
	FBP-079-02-01	Physical Properites	09/12/12
	FBP-080-02-01	Physical Properites	09/12/12
Trinity/ERD	F42060.07.12	Physical Properties	07/23/12
	F35400.05.11-1	Physical Properties	05/31/11

LIMITATIONS:

1. All Firestone Adhesives listed herein shall have a quality control testing program by an approved independent listing agency having unannounced follow-up visits. Follow up test results shall be made available to Miami-Dade County Product Control Department upon request.
2. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

LABELING:

All Firestone Adhesives listed herein shall be labeled in compliance with TAS 121 and shall bear the imprint or identifiable marking of the manufacturer's name or logo and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.

BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or applicable Building Code in order to properly evaluate the installation of this system. This Notice of Acceptance on its own cannot be used to obtain a building permit.

END OF THIS ACCEPTANCE