



BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/building](http://www.miamidade.gov/building)

## NOTICE OF ACCEPTANCE (NOA)

Nord Bitumi, SpA.  
Via Campagnola, 8  
37060, Sona- VR  
ITALY

### 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 BNC - 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. BNC 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: Nord Bitumi Modified Bitumen Roof Systems over Concrete Decks

**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 NOA consists of pages 1 through 7.

The submitted documentation was reviewed by Alex Tigera.



NOA No: 11-0207.09  
Expiration Date: 06/23/16  
Approval Date: 06/23/11  
Page 1 of 7

## ROOFING SYSTEM APPROVAL

**Category:** Roofing  
**Sub-Category:** Modified Bitumen  
**Material:** APP/SBS  
**Deck Type:** Concrete  
**Maximum Design Pressure** -200 psf

### TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
Nord Poly 4B	39" <sup>3/8</sup> x 32'10" (1m x 10m)	ASTM D 6222	Torch applied APP modified bitumen waterproofing membrane, reinforced with a polyester carrier. The top surface is sanded and the back surface is covered with a printed burn off polyethylene film.
Nord Poly 4 M	39" <sup>3/8</sup> x 32'10" (1m x 10m)	ASTM D 6222	Torch applied APP modified bitumen waterproofing membrane, reinforced with a polyester carrier. The top surface is covered with mineral granules and the back surface is covered with a printed burn off polyethylene film.
Nordflex S	39" <sup>3/8</sup> x 32'10" (1m x 10m)	ASTM D 6164	Torch, hot asphalt or cold adhesive applied SBS modified bitumen waterproofing membrane, reinforced with a polyester carrier. The top surface is sanded and the back surface is covered with a printed burn off polyethylene film.
Nordflex M	39" <sup>3/8</sup> x 32'10" (1m x 10m)	ASTM D 6164	Torch, hot asphalt or cold adhesive applied SBS modified bitumen waterproofing membrane, reinforced with a polyester carrier. The top surface is covered with mineral granules and the back surface is covered with a printed burn off polyethylene film.
Nord Self Base	39" <sup>3/8</sup> x 32'10" (1m x 10m)	ASTM D 6164	Loose-laid, SBS modified bitumen waterproofing membrane, reinforced with a polyester carrier. The top surface is covered with a printed burn off polyethylene film and the back surface is covered with a with polyethylene release film.



NOA No: 11-0207.09  
 Expiration Date: 06/23/16  
 Approval Date: 06/23/11  
 Page 2 of 7

**APPROVED INSULATIONS:**

**TABLE 2**

<b>Product Name</b>	<b>Product Description</b>	<b>Manufacturer (With Current NOA)</b>
ACFoam II	Isocyanurate Insulation	Atlas Roofing Corp.
ENRGY 3	Isocyanurate Insulation	Johns Manville
Carlisle HP-H	Isocyanurate Insulation	Carlisle Syntec

**APPROVED FASTENERS:**

**TABLE 3**

<b>Fastener Number</b>	<b>Product Name</b>	<b>Product Description</b>	<b>Dimensions</b>	<b>Manufacturer (With Current NOA)</b>
1.	Oly-Bond 500	Polyurethane Adhesive	Various	Olympic Manufacturing Group

**EVIDENCE SUBMITTED:**

<b>Test Agency</b>	<b>Test Identifier</b>	<b>Description</b>	<b>Date</b>
Atlantic & Caribbean Roof Consulting, LLC.	ACRC 10-013	TAS 114-95-D	06/28/10
	ACRC 10-014	TAS 114-95-D	06/28/10
	ACRC 10-020	TAS 114-95-D	09/08/10
	ACRC 10-021	TAS 114-95-D	09/08/10
Factory Mutual	J.I. 0W6A2.AM	ASTM E 108	02/05/93
	J.I. 1X3A9.AM	ASTM E 108	11/12/93
	J.I. 1T1A1.AM	ASTM E 108	10/10/92
	J.I. 0X0A9.AM	ASTM E 108	11/14/94
	J.I.0R5A3.AM	ASTM E 108	03/14/91
	J.I. 1T5A5.AM	ASTM E 108	11/12/91
	J.I. 1T7A4.AM	ASTM E 108	01/27/92
	3040974	ASTM E 108	11/16/10
PR1 Construction Material Technology	NBX-001-02-01	ASTM D 6222	01/31/11
	NBX-002-02-01	ASTM D 6222	01/31/11
	NBX-003-02-01	ASTM D 6164	01/31/11
	NBX-004-02-01	ASTM D 6164	01/31/11
	NBX-005-02-01	ASTM D 6164	01/31/11
	NBX-006-02-01	ASTM D 903	06/07/11
	NBX-006-02-01	ASTM D 1876	06/04/11



**APPROVED ASSEMBLIES**

- Membrane Type:** SBS
- Deck Type 3I:** Concrete Deck, Insulated
- Deck Description:** 2500 psi structural concrete or concrete plank
- System Type A(1):** One or more layers of insulation adhered with approved adhesive.

**All General and System Limitations apply.**

One or more layers of any of the following insulations:

<b>Base Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>Carlisle HP-H Polyiso Minimum 1.5" thick</b>	N/A	N/A

**Note: Insulation shall be adhered to the deck with OlyBond 500 Adhesive in 1/2" wide ribbons spaced 6" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.**

**Anchor Sheet:** N/A.

**Base Sheet:** One ply of NORD BITUMI NORD SELF BASE 3mm, loose laid.

**Note: When applying Membrane torch applied, the heat will weld the NORD BITUMI NORD SELF BASE simultaneously to the insulation.**

**Membrane:** One ply of NORDFLEX M or NORDFLEX S torch applied simultaneously with the ply of NORD SELF BASE to the insulation board.

**Surfacing:** N/A

**Maximum Design Pressure:** -200 psf (See General Limitation #9)



**Membrane Type:** APP  
**Deck Type 3I:** Concrete Deck, Insulated  
**Deck Description:** 2500 psi structural concrete or concrete plank  
**System Type A(2):** One or more layers of insulation adhered with approved adhesive.

**All General and System Limitations apply.**

One or more layers of any of the following insulations:

<b>Base Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>Carlisle HP-H Polyiso Minimum 1.5" thick</b>	N/A	N/A

**Note: Insulation shall be adhered to the deck with OlyBond 500 Adhesive in 1/2" wide ribbons spaced 6" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.**

**Anchor Sheet:** N/A.

**Base Sheet:** One ply of NORD BITUMI NORD SELF BASE 3mm, loose laid.

**Note: When applying Membrane torch applied, the heat will weld the NORD BITUMI NORD SELF BASE simultaneously to the insulation.**

**Membrane:** One ply of NORDPOLY 4B or NORDPOLY 4M torch applied simultaneously with the ply of NORD SELF BASE to the insulation board.

**Surfacing:** N/A

**Maximum Design Pressure:** -200 psf (See General Limitation #9)



**Membrane Type:** SBS  
**Deck Type 3:** Concrete Deck  
**Deck Description:** 2500 psi structural concrete or concrete plank  
**System Type F(2):** Base sheet torch applied to the primed concrete deck.

**All General and System Limitations apply.**

**Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of base sheet.**

**Base Sheet:** One ply of NORDFLEX M or NORDFLEX S torch applied to primed concrete deck.

**Surfacing:** N/A

**Maximum Design Pressure:** -140 psf (See General Limitation #9)

**Membrane Type:** APP  
**Deck Type 3:** Concrete Deck  
**Deck Description:** 2500 psi structural concrete or concrete plank  
**System Type F(4):** Base sheet torch applied to the primed concrete deck.

**All General and System Limitations apply.**

**Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of base sheet.**

**Base Sheet:** One ply of NORDPOLY 4M or NORDPOLY 4B torch applied to primed concrete deck.

**Surfacing:** N/A

**Maximum Design Pressure:** -142.5 psf (See General Limitation #9)



## CONCRETE DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117, calculations shall be signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant.

## GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each sidelap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq. **Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.

## END OF THIS ACCEPTANCE



NOA No: 11-0207.09  
Expiration Date: 06/23/16  
Approval Date: 06/23/11  
Page 7 of 7