



**PRODUCT: Thermal and Moisture Protection (07)**  
**DIVISION: Siding (46)**  
**SECTION: Plastic Siding (33)**

**Report Holder**  
**Eovations, LLC**  
**1645 Marquette Avenue**  
**Bay City, MI 48706**

**Manufacturing Locations**  
**Eovations, LLC (NTA #2738)**  
**Eovations Plant #402**  
**5 Meadowcraft Parkway**  
**Selma, AL 36701**

#### 1. SUBJECT

**1.1. Oriented Polymer Composite Siding: 7.25-in. Eotek Siding, 0.375-in. and 0.313-in. thick**

#### 2. SCOPE

NTA, Inc. has evaluated the above product(s) for compliance with the applicable sections of the following codes:

- 2.1. 2006, 2009, 2012 International Building Code (IBC)
- 2.2. 2006, 2009, 2012 International Residential Code (IRC)

NTA, Inc. has evaluated the above product(s) in accordance with:

- 2.3. NTA IM023.1 SEP 01 Oriented Polymer Composite Siding
- 2.4. NTA IM036 Quality System Requirements

To obtain the most current NTA Listing Report visit [www.ntainc.com/product-certification](http://www.ntainc.com/product-certification)

#### 3. USES

##### 3.1. General

Eotek Siding is an exterior wall covering, which is applied on the exterior side of exterior walls for the purpose of providing a weather-resisting barrier.

##### 3.2. Construction Types

Eotek siding may be used in type VB construction.

#### 4. DESCRIPTION

##### 4.1. General

Eotek Siding is a polymer composite siding. It has a height of 7-1/4 in. and a thickness of either 0.375 in. or 0.313 in. and is a lap siding product.

##### 4.2. Materials

Eotek Siding is composed of a mineral-polymer mix, which through the manufacturing process creates an internal fiber structure, which adds to the structural performance of the siding.

#### 5. DESIGN

- 5.1. The scope of this report is limited to evaluation of the Eotek product used as an exterior wall covering on buildings. Details related to incorporation of the product beyond that scope are the responsibility of the designer of record.
- 5.2. Pressure equalization factor. Design values do not consider pressure equalization. Pressure equalization factor may be applied, as appropriate, in accordance with ASCE 7.

#### 6. INSTALATION

##### 6.1. General.

*Eotek Siding* shall be fabricated, identified and erected in accordance with this report, the approved construction documents and the applicable code. In the event of a conflict between the manufacturer's published installation instructions and this report, this report shall govern. Approved construction documents shall be available at all times on the jobsite during installation.

##### 6.2. Requirements.

*Eotek Siding* must be installed with an overlap of 1-1/4 in. between siding panels (6 in. exposure). Nails used to install siding must have a minimum nominal shank diameter of 0.092-in.; nails must not cause splitting or cracking of the siding. A 1-1/4-in. starter strip is required for installation; this starter strip is to be gapped 1/4-in. from the skirting board. All starter strips and siding must be gapped 1/16-in. at their ends from any adjacent trim board; additionally, all joints must have a 1/16-in. gap, occur over a stud, and be staggered 32-in. apart. Flashing as described in IBC Section 1405.4, a water-resistive barrier as described in IBC Section 1404.2, and a means

*This listing report is intended to indicate that NTA Inc. has evaluated product described and has found it to be eligible for labeling. Product not labeled as specified herein is not covered by this report. NTA Inc. makes no warranty, either expressed or implied, regarding the product covered by this report.*

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This report is subject to annual renewal.

for providing drainage of water that enters the assembly to the exterior are also required.

## 7. CONDITIONS OF USE

- 7.1. *Eotek Siding* as described in this report must comply with the codes listed in Section 2 above, subject to the following conditions:
- 7.2. Oriented polymer siding is a combustible material and shall be considered as such when determining the Type of Construction in accordance with IBC Chapter 6 and may only be used in appropriate construction types as specified by IBC Chapter 14 and 26. Oriented polymer siding shall not be used as part of a fire-rated assembly unless suitable evidence and details are submitted and approved by the authority having jurisdiction.
- 7.3. Spacing between structures. Buildings sided with *Eotek Siding* shall be no closer than 10 ft to adjacent structures.
- 7.4. Siding must be installed in accordance with the manufacturer's
- 7.5. *Eotek Siding* must be fabricated at the facility listed in this report.

## 8. EVIDENCE SUBMITTED

NTA, Inc. has examined the following evidence to evaluate this product:

- 8.1. Review of plant quality assurance manual in accordance with NTA IM 036 and NTA IM 023.1.
- 8.2. Plant certification inspection of manufacturer's production facilities, test procedures, frequency and quality control sampling methods, test equipment and equipment calibration procedures, test records, dates and causes of failures when applicable in accordance with NTA IM 036 and NTA IM 023.1.
- 8.3. Qualification test data in accordance with NTA IM 023.1 SEP 01.
- 8.4. Periodic quality assurance audits of the production facility(ies).
- 8.5. Periodic verification testing in accordance with NTA, Inc. NTA IM 023.1 SEP 01.

Evaluation evidence and data are on file with NTA, Inc. NTA, Inc. is accredited by the International Accreditation Service (IAS) as follows:

- ISO17020 Inspection Agency (AA-682)
- ISO17025 Testing Laboratory (TL-259)
- ISO Guide 65 Product Certification Agency (PCA-102)

The scope of accreditation related to testing, inspection or product certification pertain only to the test methods and/or standard referenced therein. Design parameters and the application of building code requirements, such as special inspection, have not been reviewed by IAS and are not covered in the accreditation. Product evaluations are

performed under the direct supervision of Professional Engineers licensed in all jurisdictions within the United States as required by the building code and state engineering board rules.

## 9. FINDINGS

**All products referenced herein are manufactured under an in-plant Quality Assurance program to insure that the production quality meets or exceeds the requirements of the codes noted herein and the criteria as established by NTA, Inc. Furthermore, product must comply with the conditions of this report.**

*This report is subject to annual renewal.*

## 10. IDENTIFICATION

Each bundle of eligible product shall be permanently marked to provide the following information:

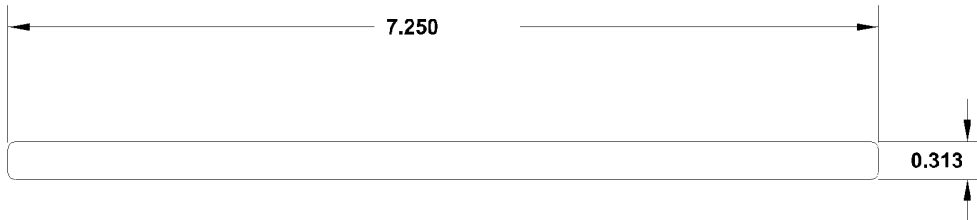
- 10.1. The NTA, Inc. listing mark, shown below
- 10.2. NTA's Listing No. EOV032712-11
- 10.3. Date of manufacture or batch number
- 10.4. Manufacturer Name
- 10.5. Manufacturing Location



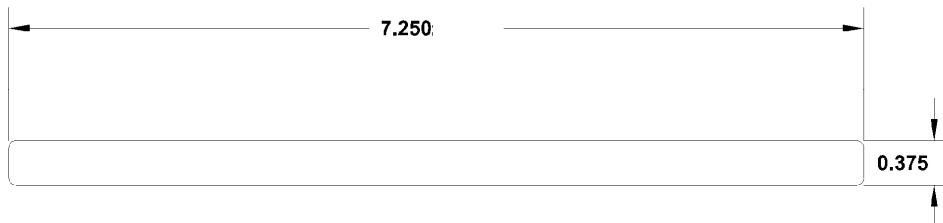
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**Table 1: Siding Properties**

Property	0.375-in. Siding	0.313-in. Siding	
	58 psf	66 psf	50 psf
Allowable Pressure	58 psf	66 psf	50 psf
Allowable Pressure Fastening Details	0.092-in. x 2-in. Nails Spacing: 16-in. oc Edge Distance: 3/4-in. End Distance: 3/8-in. Minimum Penetration into Framing: 1-3/16-in.	1/8-in. x 1-3/4-in. Nails Spacing: 16-in. oc Edge Distance: 3/4-in. End Distance: 3/8-in. Minimum Penetration into Framing: 15/16-in.	0.110-in. x 2-1/2-in. Nails Spacing: 16-in. oc Edge Distance: 3/4-in. End Distance: 3/8-in. Minimum Penetration into Framing: 1-11/16-in.
Coefficient of Linear Expansion (Parallel to Machine Direction)	< 15x10 <sup>-6</sup> in./in./°F	< 15x10 <sup>-6</sup> in./in./°F	
Flame Spread Index	<200	<200	



**Figure 1: 0.313-in. x 7.25-in. Eotek Siding**



**Figure 2: 0.375-in. x 7.25-in. Eotek Siding**

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