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PRODUCT: Oriented Polymer Composite Siding  
DIVISION: Thermal and Moisture Protection (07)  
SECTION: Plastic Siding (46 33)

**Report Holder**  
**Eovations, LLC**  
**5 Meadowcraft Parkway**  
**Selma, AL 36701**  
[www.eotek.com](http://www.eotek.com)

### Manufacturing Locations

**Eovations, LLC**  
**Eovations Plant #402**  
**5 Meadowcraft Parkway**  
**Selma, AL 36701**

### 1. SUBJECT

1.1 **0.375-in. x 8.25-in. (7-in. Reveal) Eotek Siding**

### 2. SCOPE

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

- 2.1 2012, 2015 International Building Code (IBC)
- 2.2 2012, 2015 International Residential Code (IRC)

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

- 2.3 NTA IM023.1 SEP01 Oriented Polymer Composite Siding
- 2.4 NTA IM36 Quality System Requirements

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

### 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* is a combustible material which has been qualified for use in all construction types with consideration of the conditions of use in Section 7.

### 4. DESCRIPTION

#### 4.1 General

*Eotek Siding* is a polymer composite siding. It has a height of 8.25-in. and a thickness of 0.375-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

The scope of this report is limited to evaluation of *Eotek Siding* 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.

Pressure equalization factor. Design values do not consider pressure equalization. Pressure equalization factor may be applied, as appropriate, in accordance with ASCE 7

### 6. INSTALLATION

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 *Eotek Siding* must be installed with an overlap of 1-1/4-in. between siding panels. 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 siding ends at joints are to touch (without being force fit), occur over a stud, and be staggered a minimum of 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 for providing drainage of water that enters the assembly to the exterior are also required.

### 7. CONDITIONS OF USE

*Eotek Siding* as described in this report must comply with the codes listed in Section 2, subject to the following conditions:

7.1 *Eotek 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.

7.2 Spacing between structures. Buildings sided with *Eotek Siding* shall be no closer than 10-ft to adjacent structures and shall be limited to 40-ft in height above the grade plane.

*This listing report is intended to indicate that NTA, Inc. has evaluated the product described and 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.*



- 7.3 *Eotek Siding* must be installed in accordance with the manufacturer's published installation instructions, this report, and the applicable code.
- 7.4 *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 each plant's quality assurance manual and inspection of manufacturer's production facility in accordance with NTA IM 036 and NTA IM 023.1.
- 8.2 Qualification test data in accordance with Identify NTA IM 023.1, SEP 01.
- 8.3 Periodic quality assurance audits of the production facility(ies).
- 8.4 Periodic verification testing in accordance with NTA, Inc. NTA IM 023.1.

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

- ISO 17020 Inspection Agency (AA-682)
- ISO 17025 Testing Laboratory (TL-259)
- ISO 17065 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 ensure 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 review.***

### 10. IDENTIFICATION

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

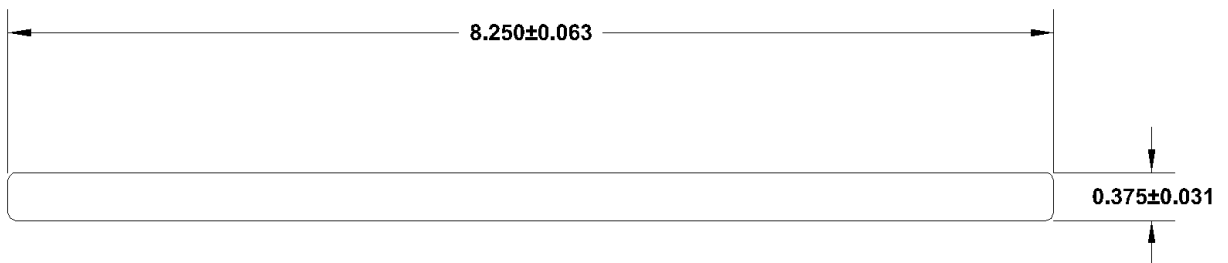
- 10.1 The NTA, Inc. Listing mark, shown below.
- 10.2 NTA's Listing No. EOV032712-11
- 10.3 Production lot number (traceable to the manufacturing plant location and date).
- 10.4 Manufacturer name.



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**Table 1: 0.375-in. Eotek Siding Properties**

Allowable Pressure	16-in. oc studs	39 psf
	24-in. oc studs	30 psf
Allowable Pressure Fastening Details	0.092-in. x 2-in. Galvanized Ring Shank Nails Spacing: 16-in. or 24-in. oc Edge Distance: 3/4-in. End Distance: 3/8-in. Minimum Penetration into Framing: 1-3/16-in. Siding Overlap: 1-1/4-in.	
Coefficient of Linear Expansion (Parallel to Machine Direction)	Less than $15 \times 10^{-6}$ in./in./°F	
Flame Spread Index	Less than 200	
Radiant Heat Exposure (NFPA 268)	Siding did not exhibit sustained flaming during the test when exposed to 12.5 kW/m <sup>2</sup> at a distance of 33-in.	



**Figure 1: 0.375-in. x 8.25-in. Eotek Siding Cross-Sectional Drawing**

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**Figure 2: Eotek Siding Installation**

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