

Pei Evaluation Service® is an accredited ISO Standard 17065 Product Certifier, accredited by the IAS. This **Product Evaluation Report** represents a product that **Pei ES** has Evaluated and this product has a Follow-up Service / Inspection Agreement. This **Product Evaluation Report** in no way implies warranty for this product or relieves **Cady Bag Company, LLC** of their liabilities for this product. This **PER** is an official document if it is within one year of the Initial or Re-Approval date.

Initial Approval
February, 2016

Re-Approved
February, 2018

See all **Pei ES** Listings at: www.p-e-i.com

Report Owner

Cady Bag Company, LLC
41 Project Circle
Pearson, GA 31642

Approved Manufacturing Locations

Cady Bag Company, LLC
41 Project Circle
Pearson, GA 31642

Product

TITANFlex-Wrap

Evaluation Report Information

Cady Bag Company Contact: Douglas Smith - (912) 422-3298
www.cadybag.com

General Details

TITANFlex-Wrap is manufactured by **Cady Bag Company, LLC** and the manufacturing facility has an approved Quality Control Manual for manufacturing this product. **Cady Bag Company, LLC** has a Product Evaluation Service Agreement with **Pei Evaluation Service®** and a Follow-up Inspection Service Agreement with (*Pei*) *Progressive Engineering Inc.* The product manufacturer is audited on a quarterly basis by *Pei*.

Product Description

TITANFlex-Wrap is a woven, polymeric fabric manufactured with a micro-perforated polymeric coating. The micro-perforations allow this product to act as a vapor permeable membrane in accordance with the IRC and IBC definition. The fabric has a nominal weight of 1.95 ounces per square yard and is packaged in rolls of varying sizes. When tested in accordance with ASTM E84, **TITANFlex-Wrap** has a flame-spread index of 0 and a smoke-developed index of 20.

General Product Use

TITANFlex-Wrap is intended for use as a water-resistive barrier in accordance with the IRC and IBC minimum requirements. This product may be used on buildings of Type I, II, III, or IV construction when the building height is less than 40-feet. **TITANFlex-Wrap** may be installed on buildings of Type I, II, III, or IV construction over 40-feet in height when installed in accordance with 2015 IBC Section 1403.5, Exception 1. There is no height limit for installation over Type V construction.

TITANFlex-Wrap shall be installed in accordance with the **Cady Bag Company, LLC** Installation Instructions which shall be made easily available to the installer. The following general use items apply to installation of this product:

1. **TITANFlex-Wrap** must be installed over exterior sheathing or insulation on the exterior side of the wall.
2. Fasteners must be corrosion resistant nails or staples with minimum 1-inch crowns. Spacing of fasteners shall be no greater than 16-inches along studs and 8-inches along the top and bottom sill plates.
3. A minimum 1/2-inch fastener penetration into framing is required when **TITANFlex-Wrap** is installed over nonstructural sheathing or foam insulation boards.
4. Vertical and horizontal seams must be overlapped at least 6-inches unless otherwise required by the **Cady Bag Company, LLC** Installation Instructions.
5. **TITANFlex-Wrap** shall be covered by an approved exterior wall covering complying with the applicable building code. Follow the **Cady Bag Company, LLC** Installation Instructions for guidance on exterior wall covering requirements.

Building Code Compliance

2012 International Residential Code		2012 International Building Code	
Section R703.2	Section R703.6.3	Section 1403.5	Section 1404.2
Section R703.9.2.1	Section R703.9.2.2		
2015 International Residential Code		2015 International Building Code	
Section R703.2	Section R703.7.3	Section 1403.5	Section 1404.2
Section R703.9.2 (4)	Section R703.9.2 (5)		
Section R703.12.3			

Product Documentation

A Product Evaluation Service Agreement between *Pei Evaluation Service*[®] and **Cady Bag Company, LLC**

A Follow-up Inspection Service Agreement between *Progressive Engineering Inc.* and **Cady Bag Company, LLC**

A **Cady Bag Company, LLC** Quality Control Manual for **TITANFlex-Wrap** - Dated: 1/2/2018

A **Cady Bag Company, LLC** - **TITANFlex-Wrap** Installation Instructions

A Test Report No. CBC-002-02-01 - ICC-ES AC308: Acceptance Criteria of Water-Resistive Barriers - Dated: 11/6/2009

A Test Report No. 01.14430.01.251 - Investigation of the Surface Burning Characteristics of a Nominal 0.035-in Thick Micro-perforated, Woven Polymeric Building Wrap Trade Name: **TITANFlex-Wrap** - Dated: 11/24/2009

A *Pei* Test Report No. 2016-0389 - ASTM E96 Water Vapor Transmission Test on TITANFlex-Wrap Tested to Procedure A - Desiccant Method - Dated: 3/4/2016

A *Pei* Test Report No. 2017-0190 - ASTM E96 Water Vapor Transmission Test on TITANFlex-Wrap Tested to Procedure A - Desiccant Method - Dated: 2/13/2017

Product Labeling

The **TITANFlex-Wrap** must be labeled with at least the following information;

1. **Cady Bag Company, LLC** Name and Address
2. A *Pei Evaluation Service*[®] Evaluation Mark
3. *Pei ES* Product Evaluation Report No. PER-15093
4. **Cady Bag Company, LLC** Manufacturing Traceability Information

This information can be applied permanently to the material or by affixing a label to the roll of material.

Acceptable Evaluation Marks



Figure 1 - TITANFlex-Wrap Water-Resistive Barrier