DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 24 00—Exterior Insulation and Finish Systems
Section: 07 24 19—Water-Drainage Exterior Insulation and Finish System
Section: 07 27 00—Air Barriers

REPORT HOLDER:
PAREX USA, INC.

EVALUATION SUBJECT:

TESS® THINSET EXTERIOR SURFACING SYSTEM, NEW YORK STUCCO AND BESTCOAT™ EIFS

1.0 EVALUATION SCOPE

Compliance with the following codes:

Properties evaluated:

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>IBC CHAPTER</th>
<th>IRC CHAPTER</th>
<th>IECC CHAPTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exterior insulation and finish systems (EIFS)</td>
<td>14</td>
<td>R7</td>
<td>NA</td>
</tr>
<tr>
<td>Weather resistance</td>
<td>14</td>
<td>R7</td>
<td>NA</td>
</tr>
<tr>
<td>Structural – transverse wind load resistance</td>
<td>16</td>
<td>R6</td>
<td>NA</td>
</tr>
<tr>
<td>Special inspections</td>
<td>17</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Surface burning characteristics</td>
<td>26</td>
<td>R3</td>
<td>NA</td>
</tr>
<tr>
<td>Air Barrier</td>
<td>NA</td>
<td>N11</td>
<td>4 &amp; 5</td>
</tr>
</tbody>
</table>

2.0 USES

The TESS™ Thinset Exterior Surfacing System, New York Stucco and Bestcoat™ are exterior insulation and finish systems (EIFS) complying with 2018 IBC Section 1407 (2015, 2012 and 2009 IBC Section 1408) and IRC Section R703.9. The systems comply with the requirements of 2018 IBC Section 1407.4.1 (2015, 2012 and 2009 IBC Section 1408.4.1) and IRC Section R703.9 as EIFS with drainage.

These systems may be used in Type V-B construction.

When the TESS™ Thinset Exterior Surfacing System, New York Stucco and Bestcoat™ systems are installed in conjunction with Section 4.5 of this report, the EIFS system provides an air barrier in accordance with IRC Section N1102.4.1 and 2018 and 2015 IECC Section C402.5 (2012 IECC Section C402.4 (2009 IECC Sections 402.4 and 502.4).

3.0 DESCRIPTION

3.1 System Components:
See Table 1. The TESS® Thinset Exterior Surfacing System, New York Stucco and Bestcoat™ systems consist of a water-resistive barrier, mechanically applied EPS, reinforcing mesh, base coat and finish coat. The New York Stucco finishes are also available in different textures, under the trade name of Bestcoat.

3.2 Insulation Board:
Expanded polystyrene insulation board complying with ASTM C578, Type I, and ASTM E2430; has a flame-spread index of 25 or less and a smoke-developed index of 450 or less when tested in accordance with ASTM E84 or UL723; and must be recognized in a current ICC-ES evaluation report.

3.3 Substrates:
- Gypsum sheathing complying with ASTM C1396, ASTM C1278 or ASTM C1177
- Exposure 1 wood structural panels complying with DOC PS-1 or PS-2

3.4 Sealants:
Sealants must comply with ASTM C920, Type S or M, minimum Grade NS, minimum Class 25 and Use O.

4.0 DESIGN AND INSTALLATION

4.1 General:
Formulated Solutions EIF systems shall be installed in accordance with the manufacturer’s installation instructions, specifications and details available for the TESS® Thinset Exterior Surfacing System at www.TessFinishes.com, and for the New York Stucco and Bestcoat™ systems at www.FormulatedSolutions.net.
4.2 Drainage:
Flat EPS insulation board over DuPont™ Tyvek® StuccoWrap® - Style 1062X as recognized in ICC-ES evaluation report ESR-2375. The water-resistant barrier must be placed over the substrate and behind the insulation board, in accordance with ESR-2375.

4.3 Wind Design:
Table 2 presents specific assemblies for which test data has been submitted. Other assemblies may be considered for approval by local officials based on testing and/or calculations of a qualified design professional.

4.4 Weather Protection:
The TESS™ Thinset Exterior Surfacing System, New York Stucco and Bestcoat™ EIFS systems comply with 2018 IBC Section 1402.2 (2015, 2012 and 2009 IBC Section 1403.2) and IRC Section R703.1.1.

4.5 Air Barrier:
When installed with the Tyvek® Stucco® Wrap in accordance with Section 4.3 of ESR-2375, the TESS™ Thinset Exterior Surfacing System, New York Stucco and Bestcoat™ EIFS systems comply as an air barrier in accordance with IRC Section N1102.4.1 and 2018 and 2015 IECC Section C402.5 (2012 IECC Section C402.4 (2009 IECC Sections 402.4 and 502.4).

5.0 CONDITIONS OF USE
The TESS® Thinset Exterior Surfacing System, New York Stucco and Bestcoat™ EIFS systems described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 Installation must comply with this report, the manufacturer’s published installation instructions and the applicable code. In the event of a conflict between the manufacturer’s instructions and this report, this report governs.

5.2 The insulation board must be separated from the building interior by a thermal barrier complying with the applicable code.

5.3 Installation must be by applicators qualified by Parex USA, Inc.

5.4 Termination of the systems must not be less than 6 inches (152 mm) above finished grade in accordance with 2018, 2015 and 2009 IBC Section 2603.8 (2012 IBC Section 2603.9) and IRC Section R318.4.

6.0 EVIDENCE SUBMITTED
6.1 Reports of tests in accordance with ASTM E2568 and ASTM E2273.

6.2 Data in accordance with the ICC-ES Acceptance Criteria for EIFS Clad Drainage Wall Assemblies (AC235), dated January 2015 (editorially revised April 2018).

7.0 IDENTIFICATION
7.1 Containers of the TESS® Thinset Exterior Surfacing System, New York Stucco and Bestcoat™ materials described in this report are identified by a label bearing the manufacturer’s name (Formulated Solutions/Parex USA); the product type; the batch number; the expiration date; and the evaluation report number (ESR-2850).

The EPS foam insulation boards must be labeled in accordance with their current ICC-ES evaluation report.

7.2 The report holder’s contact information is the following:
PAREX USA, INC.
4125 EAST LA PALMA AVENUE, SUITE 250
ANAHEIM, CALIFORNIA 92807
(714) 333-3269
www.parexusa.com
## TABLE 1—SYSTEM COMPONENTS

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>WATER-RESISTIVE BARRIER</th>
<th>INSULATION BOARD</th>
<th>BASE COAT</th>
<th>REINFORCING MESH</th>
<th>PRIMER</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>TESS Thinset Exterior Surfacing System</td>
<td>Tyvek Stucco Wrap (ESR-2375)</td>
<td>Flat EPS mechanically fastened in accordance with Table 2</td>
<td>TESS Base Coat and Tess Base Coat CW</td>
<td>TESS PRIMER</td>
<td>TESS® Finish Coat</td>
<td></td>
</tr>
<tr>
<td>New York Stucco Wrap</td>
<td></td>
<td></td>
<td>New York Stucco Base Coat</td>
<td>New York Stucco Primer</td>
<td>New York Stucco Finish</td>
<td></td>
</tr>
<tr>
<td>Bestcoat™</td>
<td></td>
<td></td>
<td>Standard Reinforcing Mesh, 4.5 to 4.8 oz/yd²</td>
<td>New York Stucco Primer</td>
<td>Bestcoat™</td>
<td></td>
</tr>
</tbody>
</table>

## TABLE 2—WIND LOAD DESIGN

<table>
<thead>
<tr>
<th>FRAMING¹</th>
<th>SUBSTRATE</th>
<th>EPS</th>
<th>EIFS SYSTEM</th>
<th>ALLOWABLE WIND LOAD (psf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Maximum Spacing (inch)</td>
<td>Minimum Thickness (inches)</td>
<td>Attachment</td>
<td>TESS system described in Table 1</td>
</tr>
<tr>
<td>3(\frac{3}{8})-inch by No. 18 gage-steel</td>
<td>16</td>
<td>(\frac{1}{2})-inch-thick gypsum sheathing, attached with #6 x (\frac{1}{4})-inch buglehead screws at 6 inches on center</td>
<td>(\frac{1}{2})</td>
<td>2-inch-diameter Wind Devil 2 plates and a No. 8, Type S, corrosion-resistant, bugle-head steel screws at 8 inches on center with sufficient length to penetrate framing.</td>
</tr>
<tr>
<td>3(\frac{3}{8})-inch by No. 20 gage-steel</td>
<td>16</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SI:** 1 inch = 25.4 mm; 1 psf = 0.0479 kPa.

¹The framing members must be designed to resist all positive and negative transverse design loads with a maximum allowable deflection of \(\frac{1}{240}\) of the span.
1.0 REPORT PURPOSE AND SCOPE

Purpose:
The purpose of this evaluation report supplement is to indicate that Tess® Thinset Exterior Surfacing System, New York Stucco and Bestcoat™ EIFS systems, recognized in ICC-ES master evaluation report ESR-2850, have also been evaluated for compliance with the codes noted below.

Applicable code editions:
- 2016 California Building Code® (CBC)
- 2016 California Residential Code® (CRC)

2.0 CONCLUSIONS

2.1 CBC:
The Tess® Thinset Exterior Surfacing System, New York Stucco and Bestcoat™ EIFS systems, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2850, comply with CBC Chapter 14, provided the design and installation are in accordance with the 2015 International Building Code® (IBC) provisions noted in the master report and the additional requirements of the CBC Chapters 14, 17 and 17A, as applicable.

The EIFS systems have not been evaluated under CBC Chapter 7A for use in the exterior design and construction of new buildings located in any Fire Hazard Severity Zone within State Responsibility Areas or any Wildland—Urban Interface Area.

2.2 CRC:
The Tess® Thinset Exterior Surfacing System, New York Stucco and Bestcoat EIFS™ systems, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2850, comply with CRC Chapter 7, provided the design and installation are in accordance with the 2015 International Residential Code® (IRC) provisions noted in the master report and the applicable provisions of the CRC.

The EIFS systems have not been evaluated under CRC Section R327 for use in the exterior design and construction of new buildings located in any Fire Hazard Severity Zone within State Responsibility Areas or any Wildland—Urban Interface Area.

The products recognized in this supplement have not been evaluated for compliance with the International Wildland—Urban Interface Code®.

This supplement expires concurrently with the evaluation report, reissued April 2020.
DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION  
Section: 07 24 00—Exterior Insulation and Finish Systems  
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Applicable code editions:  
- 2017 Florida Building Code—Building  
- 2017 Florida Building Code—Residential

2.0 CONCLUSIONS

The Tess® Thinset Exterior Surfacing System, New York Stucco and Bestcoat EIFS systems, described in Sections 2.0 through 7.0 of the master evaluation report ESR-1850, comply with the 2017 Florida Building Code—Building and 2017 Florida Building Code—Residential, provided the design and installation are in accordance with the International Building Code® (IBC) provisions noted in the master report under the following condition:

Installation must meet the requirements of Section1403.8 and 2603.8 of the Florida Building Code—Building or Section R318.7 and R318.8 of the Florida Building Code—Residential, as applicable.

Use of the Tess® Thinset Exterior Surfacing System, New York Stucco and Bestcoat EIFS systems for compliance with the High-Velocity Hurricane Zone provisions of the 2017 Florida Building Code—Building and the 2017 Florida Building Code—Residential has not been evaluated and is outside the scope of this evaluation report.

For products falling under Florida Rule 9N-3, verification that the report holder’s quality-assurance program is audited by a quality-assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official, when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the evaluation report, reissued April 2020.