3.0 DESCRIPTION

Structural properties of Ultracon+ coated screw anchors are recognized in ESR-3196, ESR-3068 and ESR-3042. Structural properties of Woodworm coated screws are recognized in ESR-3164. This evaluation report recognizes the use of a proprietary Stalgard® (Perma-Seal® for Woodworm) coating applied to these screws. The Ultracon+ screw anchors have a uniform blue, white, silver or bronze coating and are available in shank diameters of \( \frac{3}{16} \) inch and \( \frac{1}{4} \) inch and lengths ranging from \( 1\frac{3}{4} \) inches to 6 inches. The Woodworm screws are available with the fastener designations of Woodworm Ledger Screw, Woodworm Truss Screw, Woodworm Waferhead (Lumber) Screw and Woodworm Timber Screw. The Woodworm screws have a bronze, black or red coating and have lengths ranging from 2\( \frac{1}{2} \) inches (63.5 mm) to 12 inches (305 mm) and shank diameters of \( \frac{3}{16} \) and \( \frac{1}{4} \) inch. Product names for the report holder and the additional listees are presented in Table A of this report.

4.0 DESIGN AND INSTALLATION

Structural applications for Ultracon+ screw anchors are described in ESR-3196, ESR-3068, and ESR-3042. Structural applications for Woodworm screws are described in ESR-3164. The Ultracon+ screw anchors and Woodworm screws are used in Exposure Conditions 1 through 4 with typical applications and recognition limitations as shown in Table 1 of this report. The Ultracon+ screw anchors and Woodworm screws may be used in wood treated with water-borne alkaline copper quaternary (ACQ) preservatives with a maximum retention of 0.4pcf (6.4 kg/m\(^3\)) and preservatives with lesser corrosion effects. The Ultracon+ screw anchors and Woodworm screws may be used in wood treated with water-borne alkaline copper azole (CA-B) preservatives with a maximum retention of 0.3pcf (4.9 kg/m\(^3\)) and preservatives with lesser corrosion effects. Preservatives with lesser corrosion effects include but are not limited to wood treated with SBX/DOT and zinc borate preservatives.

5.0 CONDITIONS OF USE

The Ultracon+ screw anchors and Woodworm screws as 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 The fasteners must be installed in accordance with this evaluation report and ESR-3196, ESR-3068, ESR-3042, or ESR-3164, as applicable; the manufacturer's published installation instructions; and the applicable code. The instructions within this report
govern if there are any conflicts between the manufacturer's published installation instructions and this report.

5.2 The screw anchors may be used in contact with fire-retardant-treated wood in dry, interior locations only, in accordance with 2018 IBC and 2015 IBC Section 2304.10.5.4 (2012 and 2009 IBC Section 2304.9.4.5) and the report holder’s recommendations. Except as noted above, use of the screws in contact with fire-retardant-treated wood is outside the scope of this report.

5.3 The structural performance of the fasteners is limited to that as documented in ESR-3196, ESR-3068, ESR-3042 and ESR-3164.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Corrosion-resistant Fasteners and Evaluation of Corrosion Effect of Wood Treatment Chemicals (AC257), dated October 2009 (editorially revised March 2018).

7.0 IDENTIFICATION

7.1 The screws are packaged in cartons bearing labels that provide the manufacturer name and the name of the product (Ultracon+ screw anchors or Woodworm screws); screw description (type, length, and shank diameter); the company name as set forth in Table A of this report, and the evaluation report number (ESR-3213). The cartons are also identified as described in ESR-3196, ESR-3068, ESR-3042 and ESR-3164.

7.2 The report holder’s contact information is the following:

DEWALT
701 EAST JOPPA ROAD
TOWSON, MARYLAND 21286
(800) 524-3244
www.DEWALT.com
anchors@DEWALT.com

7.3 The additional listees’ contact information is the following:

POWERS FASTENERS
701 EAST JOPPA ROAD
TOWSON, MARYLAND 21286
(800) 524-3244
www.powers.com
engineering@powers.com

ALL POINTS SCREW, BOLT & SPECIALTY CO.
1590 N.W. 27TH AVENUE, #9
POMPANO BEACH, FLORIDA 33069
info@allpointsscrew.com

THE HILLMAN GROUP
10590 HAMILTON AVENUE
CINCINNATI, OHIO 45231
info@hillmangroup.com

<table>
<thead>
<tr>
<th>COMPANY NAME</th>
<th>PRODUCT NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEWALT</td>
<td>Ultracon®+ Screw Anchors</td>
</tr>
<tr>
<td>Powers Fasteners</td>
<td>Tapper®+ Screw Anchors</td>
</tr>
<tr>
<td>The Hillman Group</td>
<td>Hillman Tapper+ Screw Anchors</td>
</tr>
<tr>
<td>All Points Screw, Bolt &amp; Specialty Co.</td>
<td>AP Tapper+ Screw Anchors</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EXPOSURE CONDITION</th>
<th>TYPICAL APPLICATIONS</th>
<th>RECOGNITION LIMITATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corrosion Resistance of Fasteners</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Treated wood in dry use applications</td>
<td>Limited to use where equilibrium moisture content of the chemically treated wood meets the dry service conditions as described in the NDS.</td>
</tr>
<tr>
<td>2</td>
<td>Aboveground with coastal salt exposure</td>
<td>Limited to clean untreated wood and materials without known corrosion effects greater than that of clean untreated wood.</td>
</tr>
<tr>
<td>3</td>
<td>General construction</td>
<td>Limited to freshwater and chemically treated wood exposure, i.e., no saltwater exposure.</td>
</tr>
<tr>
<td>4</td>
<td>Coastal construction</td>
<td>No limitations on use with respect to moisture and chemically treated wood except that chemical wood treatment must have the same or lesser corrosion effects as qualification conditions.</td>
</tr>
</tbody>
</table>
REPORT PURPOSE AND SCOPE

Purpose:
The purpose of this evaluation report supplement is to indicate that the Ultracon+ screw anchors and Woodworm screws with a proprietary Stalgard® coating (Perma-Seal® for Woodworm), recognized in ICC-ES master report ESR-3213, have also been evaluated for compliance with the codes noted below.

Applicable code editions:
- 2017 Florida Building Code—Building
- 2017 Florida Building Code—Residential

2.0 CONCLUSIONS

The Ultracon+ screw anchors and Woodworm screws with a proprietary Stalgard® coating (Perma-Seal® for Woodworm), described in Sections 2.0 through 7.0 of the master evaluation report ESR-3213, comply with the Florida Building Code—Building and the Florida Building Code—Residential, provided the design and installation are in accordance with the 2015 International Building Code® provisions noted in the master report.

Use of the Ultracon+ screw anchors and Woodworm screws with a proprietary Stalgard® coating (Perma-Seal® for Woodworm) have also been found to be in compliance with the High-Velocity Hurricane Zone provisions of the Florida Building Code—Building and the Florida Building Code—Residential.

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 master report, reissued September 2019.