ICC-ES Evaluation Reports Explained

A. ICC Evaluation Service (ICC-ES), a subsidiary of the International Code Council, interprets the International Codes. ICC-ES is a non-profit, limited liability company that conducts technical evaluations of building products, components, methods, and materials.

B. An Evaluation Report presents the findings of ICC-ES as to the compliance with code requirements of the subject of the report—a particular building product, component, method or material. ICC-ES evaluation reports are aimed particularly at making it easier for those charged with enforcing code—building officials, building departments, building inspectors in the field—to determine the compliance of products with code. Evaluation reports are also used extensively by architects, engineers, contractors, specifiers, and others in the building industry that have an interest in making sure products and systems meet building-code requirements.

1. CSI Division Number: ICC-ES Evaluation Reports, and the building products represented in them, are organized according to the Construction Specifications Institute’s (CSI) Master Format system.
   - **Section: 07 18 13 – Pedestrian Traffic Coatings:** are defined either as a cementitious coating, an elastomeric coating or as a membrane system. **Duradek Ultra is a membrane system.**
   - **Duradek Ultra** was also evaluated as product meeting the following membrane roofing criteria.
     - **Section: 07 54 00 – Thermoplastic Membrane Roofing**
     - **Section: 07 54 19 – Polyvinyl-chloride Roofing**
   - Cementitious & elastomeric membranes are not subject to additional roof covering systems approval.

2. Report Holder: The name and address of the company or organization that has applied for the Evaluation Report.

3. Evaluation Subject: The specific product(s) covered by the report.

4. Evaluation Scope: The code(s) that were used to evaluate the product.
   - 31 States have adopted the 2009 IBC and 27 have adopted the 2009 IRC.

5. Properties Evaluated: a brief description of the properties the product was evaluated against such as fire resistance and wind resistance. This section also shows if the product can be used for structural purposes.

6. Uses: Identifies the product’s uses and the applicable code provisions. Walking decks may be used in three different applications:
   - a. walking deck only;
   - b. walking deck and non classified roof covering;
   - c. walking deck and classified roof covering.
   - **Duradek Ultra** is classified as a walking deck and classified roof covering.

7. Description: Provides a general description of the product and its features, such as length, thickness, etc.

8. Installation: Identifies requirements to help the inspector ensure the product is installed properly according to the code requirements or acceptance criteria.

9. Conditions of Use: Statement that the product, as described in the Evaluation Report, complies with, or is a suitable alternative to, the requirements of the applicable code; lists conditions under which the report is issued.
   - Item 5.5—Duradek Ultra membranes are manufactured under a quality control program.

10. Evidence Submitted: Data (i.e., standards, calculations, installation instructions, quality documentation) that was used in evaluating the product.
   - Duradek Ultra membrane meet the Acceptance Criteria for Walking Decks (AC 39), the criteria used for Pedestrian Traffic Coatings, and for Membrane Roof Covering Systems (AC 75).
   - Simulated wind uplift tests are required for membrane roof covering classifications but not for Cementitious & Elastomeric Coatings systems.

11. Identification: Information that can be used to identify the product, including the manufacturer’s name, product name, Evaluation Report number, etc.
<table>
<thead>
<tr>
<th>Report Number</th>
<th>Org./Code</th>
<th>Manufacturer</th>
<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ESI</td>
<td>Duradek U.S. Inc.</td>
<td>Duradek Ultra Roof and Walking Deck Membranes</td>
</tr>
<tr>
<td>2</td>
<td>ESI</td>
<td>Duradek U.S. Inc.</td>
<td>Duradek Ultra Roof and Walking Deck Membranes</td>
</tr>
<tr>
<td>3</td>
<td>ESI</td>
<td>Duradek U.S. Inc.</td>
<td>Duradek Ultra Roof and Walking Deck Membranes</td>
</tr>
<tr>
<td>4</td>
<td>ESI</td>
<td>Duradek U.S. Inc.</td>
<td>Duradek Ultra Roof and Walking Deck Membranes</td>
</tr>
<tr>
<td>5</td>
<td>ESI</td>
<td>Duradek U.S. Inc.</td>
<td>Duradek Ultra Roof and Walking Deck Membranes</td>
</tr>
<tr>
<td>6</td>
<td>ESI</td>
<td>Duradek U.S. Inc.</td>
<td>Duradek Ultra Roof and Walking Deck Membranes</td>
</tr>
<tr>
<td>7</td>
<td>ESI</td>
<td>Duradek U.S. Inc.</td>
<td>Duradek Ultra Roof and Walking Deck Membranes</td>
</tr>
<tr>
<td>8</td>
<td>ESI</td>
<td>Duradek U.S. Inc.</td>
<td>Duradek Ultra Roof and Walking Deck Membranes</td>
</tr>
<tr>
<td>9</td>
<td>ESI</td>
<td>Duradek U.S. Inc.</td>
<td>Duradek Ultra Roof and Walking Deck Membranes</td>
</tr>
<tr>
<td>10</td>
<td>ESI</td>
<td>Duradek U.S. Inc.</td>
<td>Duradek Ultra Roof and Walking Deck Membranes</td>
</tr>
</tbody>
</table>

**Code Legend**
- 2012 to 2003 and earlier editions of 1-Codes for building products
- 2012 to 2003 and earlier editions of 3-Codes for PNM products
- International Green Construction Code
- California Green Building Standards Code
- California Building Code
- Florida Building Code
- Legacy Code

ICC-ES Report Comparisons for Pedestrian Traffic Coatings

It is apparent that when choosing a deck waterproofing product, it is not always an “apples-to-apples” comparison. Even when products receive similar testing, there is a significant “gray area” to what standards were actually tested.

For architects, inspectors, specifiers, builders and homeowners, it is important to know what to look for to be sure you are getting the product performance and value that you are expecting.

Duradek Ultra vinyl is the most tested product in its class and is upheld to the highest test performance measurements for a walking deck and classified roof covering membrane.