**Objective**

Determine whether ICON™ Composite Siding boards in 12’ and 16’ are faster to install than:
- Fiber cement board in 12’ length
- Engineered wood board in 16’ length

**Methodology**

To realize this study, Home Innovation Research Labs used the Group Timing Technique (GTT), a fixed interval work sampling procedure, identifying productive and non-productive time. Every worker activity is recorded every 60 seconds for this study during the entire installation process.

**Home Innovation Research Labs**

The study was conducted by Home Innovation Research Labs, an accredited 3rd party certification agency, product testing laboratory and a subsidiary of the National Association of Home Builders (NAHB). It was founded in 1964.

**A level playing field**

To realize a fair comparison, the 4 products were installed on identical wall areas. All products were installed on a full wall in realistic conditions. The crew used their own tools and job configuration. The installation instructions of each product were followed to ensure compliance.
What was tested

4 siding systems were tested:
• CertainTeed ICON 12' board
• CertainTeed ICON 16' board
• Fiber Cement 12' board
• Engineered Wood 16' board

The house wrap and the trim were installed prior to the time study.

The Study house

The study house has been designed to be representative of new single family homes.
• Approximately 750 SQFT per product, each installation mirroring the opposite one.
• Each side is 2-stories, has 3 windows, 1 door, 1 inside corner and 1 outside corner.

The crew

The crew was selected independently by Home Innovation Research Labs according to their experience in fiber cement and wood siding.
• The same crew installed the 4 products on the walls.
• 3 crew members: 1 cut man, 2 installers
INSTALLATION TIME STUDY 2017 RESULTS
Installation (750 sqft) productive time only* for a 3 person crew

* Focused on product installation time only. Excludes: Scaffolding setup or take down, breaks, re-work, interruptions, and waiting for other crew members to complete tasks.

ICON 12’ is 27% faster to install than Fiber Cement 12’

ICON 12’ is 19% faster to install than Engineered Wood 16’

ICON 16’ is 30% faster to install than Fiber Cement 12’

ICON 16’ is 22% faster to install than Engineered Wood 16’

<table>
<thead>
<tr>
<th>Width</th>
<th>Fiber Cement 12'</th>
<th>ICON 12'</th>
<th>Engineered Wood 16'</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 FT</td>
<td>04:04</td>
<td>03:36</td>
<td>04:04</td>
</tr>
<tr>
<td>16 FT</td>
<td>03:36</td>
<td>03:36</td>
<td>04:04</td>
</tr>
</tbody>
</table>

FIBER CEMENT

ENGINEERED WOOD

ENGINEERED WOOD

FIBER CEMENT
The statements in this summary have been extracted or inspired from Home Innovation Research Labs *ICON Time Study Report*, released on November 2017.

Full report available on-demand.