# Fasteners

FlintFast® fasteners from CertainTeed are engineered to improve application efficiency and increase the strength of the mechanical attachment, providing top quality performance in commercial roofing systems. Fasteners are used in roofing applications for the attachment of roofing insulation (FlintBoard™) and base sheets.

## #12 (DP) Drill Point

- **Application(s):** Metal (16 gauge or thinner)
- **Threads per inch/style:** 13 single lead
- **Head style:** #3 Phillips
- **Use with:** Metal plate
- **Material/Finish:** Carbon steel/Tru-Kote™
- **Standard lengths:** 1-5/8”, 2-1/4”, 2-7/8”, 3-1/4”, 3-3/4”, 4-1/2”, 5”, 6”, 7”, 8”
- **Approvals:** FM, MD

## #14 (HD) Heavy Duty

- **Application(s):** Metal (16 gauge or thinner) or wood
- **Threads per inch/style:** 13 single lead
- **Head style:** #3 Phillips
- **Use with:** Metal plate
- **Material/Finish:** Carbon steel/Tru-Kote™
- **Standard lengths:** 1-1/2”, 2”, 2-1/2”, 3”, 3-1/2”, 4”, 4-1/2”, 5”, 5-1/2”, 6”, 7”, 8”, 9”, 10”, 11”, 12”, 13”, 14”, 16”, 18”, 20”, 22”, 24”
- **Approvals:** FM, MD

## #15 (EHD) Extra Heavy Duty

- **Application(s):** Metal (18 gauge or thinner) or wood
- **Threads per inch/style:** 13 single lead buttress
- **Head style:** #3 Phillips
- **Use with:** Metal plate
- **Material/Finish:** Carbon steel/Tru-Kote™
- **Standard lengths:** 1-1/4”, 2”, 3”, 4”, 5”, 6”, 7”, 8”, 9”, 10”, 11”, 12”, 13”, 14”, 16”, 18”, 20”, 22”, 24”
- **Approvals:** FM, MD

## (PA) Pre-Assembled

- **Application(s):** Metal (16 gauge or thinner) or wood
- **Threads per inch/style:** 13 single lead
- **Head style:** 1/4” hex or #3 Phillips
- **Use with:** Metal plate
- **Material/Finish:** Screw – Tru-Kote™/Plate – Galvalume™
- **Standard lengths:** 1-5/8”, 2-1/4”, 2-7/8”, 3-1/4”, 3-3/4”, 4-1/2”, 5”, 6”, 7”, 8”
- **Approvals:** FM, MD

## SIPLD Fasteners

- **Application(s):** Structural insulated panels and nail base panels
- **Threads per inch/style:** 10 single lead
- **Head style:** Pancake head T-30 star drive
- **Use with:** Metal plate optional
- **Material/Finish:** Tru-Kote™
- **Standard lengths:** 3” – 18’
- **Approvals:** FM

## Base Sheet Fasteners

- **Twin Loc-Nail — Base sheet, recovery board and insulation to lightweight insulating concrete, structural wood fiber and poured gypsum**
  - **Standard lengths:** 1.4”, 1.8”, 2.8”, 3.8”, 4.8”
  - **Approvals:** FM, MD

- **FM-75 — Base sheet to higher density lightweight insulating concrete, NVS Concrete and various gypsum roof decks**
  - **Standard size:** 1.2” length, 2.7” diameter
  - **Approvals:** FM, MD, UL

- **FM-90 — Base sheet to lightweight insulating concrete and various gypsum roof decks**
  - **Standard size:** 1.7” length, 2.7” diameter
  - **Approvals:** FM, MD, UL

- **FM-290 — Base sheet attachment to lightweight insulating concrete**
  - **Standard size:** 2 legs 1.7” lengths; 2.4”x1.3” head
  - **Approvals:** FM, MD, UL
Galvalume™ Membrane and Insulation Plates
Insulation plates are used with virtually all types of insulation board used for roofing systems. Testing exceeds Factory Mutual I-60 or I-90 windlift specifications when properly installed on most insulation boards. Galvalume is a trademark of BIEC International, Inc.

<table>
<thead>
<tr>
<th>Standard or Recessed Metal</th>
<th>Barbed Seam</th>
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<tbody>
<tr>
<td>Use with</td>
<td>Use with</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Dimensions</td>
</tr>
<tr>
<td>Material</td>
<td>Material</td>
</tr>
<tr>
<td>3” round</td>
<td>2” round, 2.4” round</td>
</tr>
<tr>
<td>Galvalume™</td>
<td>Galvalume™</td>
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</tbody>
</table>

Termination Bars
FlintFast termination bars are made from specially extruded aluminum without sharp edges. Termination bars come with holes either 6”, 8” or 12” on center.

<table>
<thead>
<tr>
<th>TB-75 termination</th>
<th>TB-90 termination</th>
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</thead>
<tbody>
<tr>
<td>Feature</td>
<td>Feature</td>
</tr>
<tr>
<td>Sealant ledge</td>
<td>Flat</td>
</tr>
<tr>
<td>Thickness .075”</td>
<td>Thickness .090”</td>
</tr>
<tr>
<td>Material Extruded aluminum</td>
<td>Material Extruded aluminum</td>
</tr>
</tbody>
</table>

INSTA STIK™ Quick Set Roofing Adhesive
A single-component, moisture-cured polyurethane adhesive for attaching compatible roof insulation boards to roof decks and substrates. Simplest and most economical roof adhesive on the market, with the longest shelf life in the industry (15 months). It works well in a wide range of temperatures (33°F/0.55°C to 110°F/43°C).

<table>
<thead>
<tr>
<th>Application Rate/in (mm) o.c.</th>
<th>Est. Yield Per Tank/ft (m)</th>
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<tbody>
<tr>
<td>6 (152)</td>
<td>400 (37)</td>
</tr>
<tr>
<td>9 (228)</td>
<td>600 (56)</td>
</tr>
<tr>
<td>12 (305)</td>
<td>800 (74)</td>
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<tr>
<td>14 (356)</td>
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For Estimate Only
Using the recommended application rate for both the field area and perimeter band area, you can then determine an estimated yield per tank of INSTA STIK Quick Set Adhesive.

For recommended application rates, consult form no. 179-05053/178-00584.
Recommended for metal decks and boards >4’ wide.
Recommended for boards >4’ wide per Factory Mutual guidelines.

ADCO Millennium One Step™ Foamable Adhesive
Millennium One Step™ Foamable Adhesive is a highly elastomeric, one-step, all-purpose, foamable adhesive that contains no solvents, sets in minutes, and is designed for use with our patented application process. Our One Step™ application process eliminates error due to poor mixing. Application is quick and easy, resulting in significant labor savings for the contractor. No expensive specialty pumps or spray rigs are required.

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
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<tbody>
<tr>
<td>Ready to use</td>
<td>Requires no mixing, reduces labor costs</td>
</tr>
<tr>
<td>No temperature restrictions</td>
<td>Suitable for all climates</td>
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<tr>
<td>One Step™ technology</td>
<td>Easy to apply</td>
</tr>
<tr>
<td>Solvent free</td>
<td>VOC free, no odors</td>
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<tr>
<td>Elastomeric</td>
<td>Remains flexible, absorbs stresses</td>
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<tr>
<td>Low rise foam</td>
<td>Accommodates minor surface irregularities</td>
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<tr>
<td>Replaces fasteners</td>
<td>Minimizes penetrations and deck corrosion</td>
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CertainTeed Full Systems

For more information on CertainTeed Commercial Roofing Products, go to www.certainteed.com.