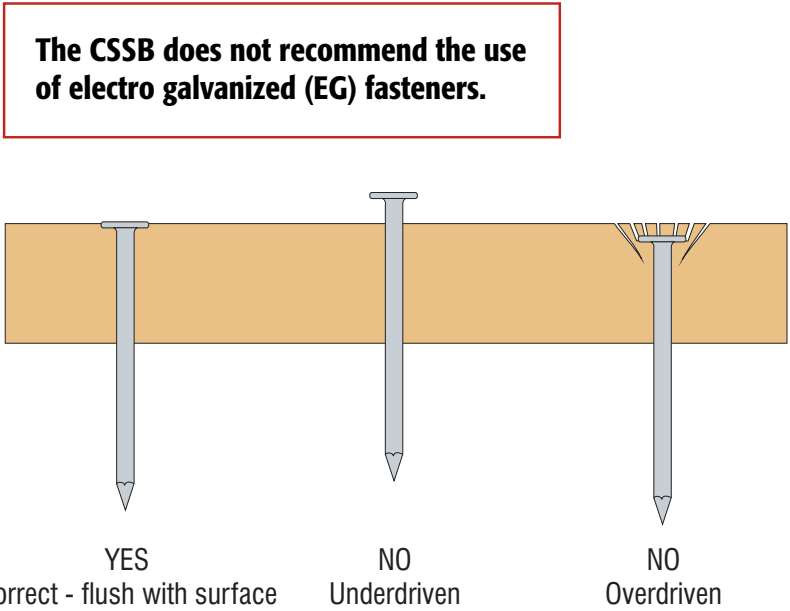


**Nails**

Each Certi-label shake or shingle shall be applied with two fasteners. Nails **must be** stainless steel-type 316 in locations within fifteen (15) miles of salt water (Ref. Stainless Steel Industry of North America-Washington, D.C., www.ssina.com). For locations outside the salt water zone - nails **must be** Type 304 or 316 stainless steel, or hot-dipped zinc coated galvanized conforming to minimum standard ASTM A 153 Class D (0.028 kg / 0.093 m<sup>2</sup>) or better. Stainless steel nails, although more expensive, offer the highest degree of corrosion resistance. Some nail manufacturers offer nails specifically for wood shake or shingle roof application. Contact the nail manufacturer for further information to ensure the nail used is correct for your application.



**Staples**

If you choose to use staples they **must be** stainless steel Type 316 in locations within fifteen (15) miles of salt water. (Ref. Stainless Steel Industry of North America-Washington, D.C., www.ssina.com). For locations outside of the salt water zone - stainless steel staples type 304 or 316 **must be** used. Each Certi-label shake or shingle shall be applied with two (2) staples. Staples must be 1.5mm gauge with crowns 11mm minimum horizontal, maximum 19mm horizontal to the Certi-label shake or shingle butt.

**Location/Penetration**

Fasteners, two (2) per shake or shingle, shall be applied approximately 19mm from the edge and approximately 38mm above the exposure line. Fasteners shall be long enough to penetrate into the solid wood sheathing at least 19mm or all the way through. Minimum nail lengths are shown in the fastener chart below. Nails and staples must be driven flush with the surface of the Certi-label shake or shingle. Overdriving the fastener can split and/or distort the Certi-label shake or shingle.

**Important Notes:**

**Overdriving or underdriving any fastener will affect the integrity of the roofing system. Fasteners utilized must be specific for use with wood shakes and shingles to prevent splitting and other weakening factors.**

**Pressure Impregnated Treated Shakes and Shingles**

Specification of fasteners to be used with fire-retardant-treated (Certi-Guard) and preservative-treated (Certi-Last) shakes or shingles **must be** obtained from the treatment company. Some types of fasteners may not be compatible with treated material.

*The information above is not intended to supersede local building codes.*

<b>Fasteners</b>	
<b>Type of Certi-label Shake or Shingle</b>	<b>Nail Type and Minimum Length</b>
<b>Certi-Split &amp; Certi-Sawn Shakes</b>	
457mm Straight-Split	5d Box 45mm
457mm and 610mm Handsplit and Resawn	6d Box 51mm
610mm Tapersplit	5d Box 45mm
457mm and 610mm Tapersawn	6d Box 51mm
<b>Certigrade Shingles</b>	
406mm and 457mm Shingles	3d Box 32mm
610mm Shingles	4d Box 38mm

**Note:** Longer fasteners of the same quality may be required for nailing ridge product