

SaferWood

Thermex-FR



COMPLIANCE STATEMENTS for FASTENERS

Prior to proper fastener selection we recommend a baked enamel coated flashing followed by a flashing material consistent with the “Fastener” recommendation found in our ESR-1159 report, Section 4.2, page 3;

Fasteners used with SaferWood-FX, Thermex-FR, FRX, Mataverde, Flame Repel and Fireline fire-retardant-treated wood must be manufactured from the materials specified in Section 2304.10.5 of the 2018 and 2015 IBC, Section 2304.9.5 of the 2012, 2009, and 2006 IBC, Section R3173.3 of the 2018, 2015, 2012, and 2009 IRC, or Section R319.3 of the 2006 IRC, and are subject to the design value adjustment factors indicated in Table 1 and Table 2.

and from our QAI CERus-1031 report, Section 4.1, Page 2:

Fasteners for use with FRX, SaferWood-FX, Thermex-FR, Mataverde, and Flame Repel treated lumber shall be hot-dipped zinc-coated galvanized steel, stainless steel,

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silicone bronze or copper in accordance with Section 2304.10.5.3 of the 2021 / 2018 / 2015 IBC and Section R318.3.3 of the 2021 / 2018 / 2015 IRC.

From the 2018 IBC:

Fasteners, including nuts and washers, for fire-retardant-treated wood used in exterior applications or wet or damp locations shall be of hot-dipped zinc-coated galvanized steel, stainless steel, silicon bronze or copper. Staples shall be of stainless steel. Fasteners other than nails, staples, timber rivets, wood screws and lag screws shall be permitted to be of mechanically deposited zinc-coated steel with coating weights in accordance with ASTM B695, Class 55 minimum. (IBC 2304.10.5.3)

Although they are code compliant, we do not recommend galvanized nails or screws for use with our FRTW. They are prone to staining, corroding, and rusting. Instead, we recommend stainless steel fasteners. A double hot-dipped galvanized zinc coated fastening is also acceptable, but may corrode if the coating fails.