

TECHNICAL BULLETIN

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Issue Date: August 12, 2005

**To: Firestone Licensed Contractors
Firestone Distributors**

Re: Firestone HD HailGard Fastener Requirements

The new Firestone HD HailGard Fastener is designed for use in lieu of fasteners and plates with Firestone HailGard insulation, a composite consisting of polyiso insulation with a factory applied oriented strand board (OSB) for the top surface. This fastener has unique features that improve the quality of the roofing system and reduces labor and material costs. HD HailGard Fasteners are suitable for use on decks of steel, wood and structural concrete (with pre-drilled holes).

Firestone HD HailGard Fasteners have a wide, flat head profile that holds the OSB surface without the need for plates. This reduces the cost for materials and labor during installation. The elimination of plates also decreases the potential for damage of the roofing system during hail events.

Effective immediately, HD HailGard Fasteners are required when using HailGard insulation or other multiple layer insulation systems that use OSB as the top layer, immediately beneath the roofing membrane. For high wind conditions, consult Firestone Roofing Solutions. This includes the Firestone Platinum 30-year warranty systems that cover incidental punctures, winds up to 100 mph and hail up to 2" in diameter. This technical bulletin supercedes the requirements for fasteners and plates to attach HailGard insulation as described in the Firestone Design Guide, sections 1.06.1.1-2. HD HailGard Fasteners are not suitable for use with insulations or coverboards that do not have OSB as the top surface.

The following table shows the number of HD HailGard Fasteners that are required per 4'x8' (1.22 m x 2.44 m) to meet Firestone attachment specifications on buildings up to 250' (76.2 m) in height for specific wind uplift criteria:

	Field	Perimeters	Corners
55 mph, Standard Red Shield Warranty	16	16	16
FM 1-90 Requirements	16	24	28
100 mph Wind Requirements (including Platinum PHW systems)	20	30	35

For more information such as Technical Information Sheets and Design Guides, check the Firestone website at www.firestonebpc.com, or please contact your local sales representative. Thank you for choosing Firestone Building Products.

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