

## Firestone Assembly Solutions by Substrate Type

	Steel	Structural Concrete		Lt. Wt. Concrete		Cementitious Wood Fiber	Gypsum	Wood	Existing Smooth BUR, SBS/APP	Existing Smooth Coal Tar (CTP)**
		Structural Concrete	Insulating	Structural	Insulating					
Fastened Base Sheet	N/A	N/A	LWC Base-Ply/ Two Piece Impact Nail	LWC Base-Ply/ Two Piece Impact Nail	Two Piece Impact Nail Polymer Fast.	LWC Base-Ply/ Two Piece Impact Nail Polymer Fast.	N/A	N/A	N/A	N/A
ISO/Substrate Board - Mechanically Attached	AP HD HD Plus	HD Concrete Drive	Into Steel or Structural Concrete Decks	Into Steel or Structural Concrete Decks	Polymer Fasteners	Polymer Fasteners*	AP HD	Into Steel or Structural Concrete Decks	Into Steel or Structural Concrete Decks	Into Steel or Structural Concrete Decks
ISO/Substrate Board - Insulation Adhesive	YES	Positive Adhesion Test Required, except New Concrete	N/A	N/A	Positive Adhesion Test Required	Positive Adhesion Test Required	YES	Positive Adhesion Test Required	Positive Adhesion Test Required	Positive Adhesion Test Required
V-Force	Yes*	Primed	Primed	N/A	N/A	N/A	Primed	Primed	Primed	N/A
BASEGARD SA Base Sheet	Primed	Primed	N/A	N/A	N/A	N/A	Primed	Primed	Primed	N/A
Torched Base Sheet	N/A	ASTM D41 Primer	N/A	N/A	N/A	N/A	N/A	N/A	ASTM D41 Primer	N/A
Asphalt Mopped Base Sheet	N/A	ASTM D41 Primer	N/A	N/A	N/A	N/A	N/A	N/A	ASTM D41 Primer	N/A
MB Cold Applied Base Sheet	N/A	ASTM D41 Primer	N/A	N/A	N/A	N/A	N/A	N/A	ASTM D41 Primer	N/A

\* No Factory Mutual Testing (FM) available

\*\*CTP Recoverers require min. 0.5" ISO for TPO membranes, and 1.5" ISO for Black EPDM membranes to ensure CTP doesn't flow into building.

N/A = Not Applicable

Structural Concrete min. 3,000 PSI

Min. 2" Lt. Wt. Concrete

BASEGARD SA must be applied over SA Primer or heat activated (torch or insulation adhesive)

V-Force Primers: Firestone SA Water Based Primer or Firestone SA Solvent Based Primer

Existing Asphalt and CTP Roofs may require a Primer

Assemblies listed represent a baseline for approved installation methods, contact MWA to ensure entire roof is warrantable.

Installation methods represented may not hold FM, UL, or other required/prescribed testing

Acceptable Lightweight Concrete substrates include cellular or air-entrained concrete. Lightweight Concrete substrates with aggregate (such as perlite or vermiculite) are not acceptable.

All light weight concrete assemblies containing insulation, require a vapor retarder.

All adhered insulation/cover boards must be 4'x4'

HD fasteners may be used in light weight concrete assemblies to attach insulation/cover board into structural concrete substrate or steel pan.

Refer to TIS sheets for approved substrates for each particular product.

Platinum Systems require a complete tear off of existing roof system.

