

Firestone

BUILDING PRODUCTS

September 14, 2007

General Requirements - Basic System Quick Spec

Slope Requirements

Minimum 1/8" slope recommended to promote positive drainage. Firestone recommends a minimum of 1/4" slope. Maximum slope 4:12.

Acceptable Decks

Refer to the Firestone Technical Database for minimum pullout requirements.

1. Min. 22 gauge (0.76mm) Steel
 2. Min. 3,000psi (20684kPa) Structural Concrete
 3. Minimum 1/2" (12.7mm) Plywood
 4. Wood Planks with min. 3/4" (19mm) Thickness
- Contact Firestone for decks not listed.

Building Height Limitations

Mechanically Attached systems maximum building heights is: 120' (36.6m).

Membrane Requirements

Minimum .060" RubberGard EPDM (Standard, LSFR, or FR).

25 year Warranty Design Criteria RubberGard R.M.A. Systems

Construction Type

New construction, recovers, or complete tear-off to deck with any damaged support materials removed and replaced in kind.

Use of Air Barrier

An air barrier is required for projects with large wall openings that are greater than 10% of a total wall area that can be left open in a storm. Criteria to be determined based upon Firestone's Review.

Edge Metal Systems

1. Firestone Metal Edge Systems.
2. Shop fabricated pre-finished G-90 Galvanized steel, stainless steel, anodized or extruded aluminum.

Other Requirements

1. As-Built Projects not permitted. Firestone Pre-Installation Notice 14 days prior to project start, be submitted, reviewed and approved.
2. System installation per Firestone Technical Database Manual.
3. The Firestone Warranty does not cover products not supplied by Firestone Building Products.

Mechanically Attached Systems

Membrane Attachment	Perimeter Requirements
Attach Firestone QuickSeam R.M.A. strips max. 8' o.c. using Firestone HD fasteners 12" o.c. Install .060" Non-reinforced EPDM over the R.M.A. strips per Firestone Specifications.	55 mph warranty: Refer to the Firestone Wind Design Guide for Perimeter attachment. For warranties in excess of 55 mph contact Firestone Roof Solutions.

Insulation Attachment for Mechanically Attached Systems

ISO 95+ (Top Layer)	New Construction, Tear-Off, or Recover with No Air Barrier	New Construction, Tear-Off, or Recover with Air Barrier
	Firestone HD fasteners and Insulation Plates	
1.0"-1.4"	5 per 4'x 8' Board	16 per 4'x 8' Board
1.5"-1.9"	5 per 4'x 8' Board	12 per 4'x 8' Board
2.0"-4.0"	5 per 4'x 8' Board	8 per 4'x 8' Board

Detail Description for Mechanically Attached Systems

Seam Construction	Side and End Laps: Minimum 6" QuickSeam Splice Tape with QuickSeam Joint Covers at all "T" joints and wall intersections.
Wall Terminations	Firestone Termination Bar with AP Sealant applied along the caulk ledge. Alternate, surface mounted or Inserted counter flashings may also be used in accordance with current Firestone details.
Curbs/Parapets	Curbs and expansion joints longer than eight (8) feet on any side must be anchored using QuickSeam RPF Strip. Curbs must be flashed using 18" QuickSeam SA Flashing or QuickSeam Curb Flashing.
Corners	Flashed using QuickSeam "T" Joint Cover Flashing and 9" QuickSeam FormFlash
Roof Edges/Parapets	QuickSeam 5" flashing with cover strip of 9" FormFlash. As an alternative, Firestone EdgeGard may also be used.
Penetrations	Flashed using QuickSeam Pipe Flashing, QuickSeam Penetration Pocket.
Walkways	Constructed using QuickSeam Walkway Pads.

This sheet is intended to be a summary guide for the installation of a roofing system that will qualify for a 25 year Firestone Red Shield Limited Warranty with a 55 mph wind speed coverage. Refer to the Firestone Technical Database for specific requirements regarding the installation of this roof system. Contact your local Firestone Sales Representative for current requirements. Installation specifications are subject to change. Review Firestone Technical Database website: www.firestonebpc.com and Technical Bulletins for current updates.