

# Red Shield Insulation Attachment Matrix

Fully Adhered Systems over a 22 gauge, 33 ksi Steel Deck

FIRESTONE STANDARD 55 MPH WARRANTY									Uplift:					
No Increase for Perimeter and Corners									90 (-45) psf (not FM)					
Product Name	Board Thickness	5-25 Year RS		30 Year RS	5-15 Year RS Bead Spacing	20-30 Year RS Bead Spacing			Fastener Spacing			Foam Bead Spacing		
		Number of fasteners per Board Size			All Zones	Field	Perimeter	Comer	Field	Perimeter	Comer	Field	Perimeter	Comer
		4' X 4'	4' X 8'	4' X 8'										
PolyISO 95+ Resista	1.0"-1.4"	8	16	16	12"	12"	6"	4"	16	24	32	12"	6"	4"
	1.5"-1.9"	6	12	16	12"	12"	6"	4"	12	18	32	12"	6"	4"
	2.0" - 4.0"	4	8	16	12"	12"	6"	4"	8	16	32	12"	6"	4"
ISOGARD HD	0.5"	6	12	16	12"	12"	6"	4"	12	18	32	12"	6"	4"
HD Composite	1.5"	6	12	16	12"	12"	6"	4"	10	16	32	12"	6"	4"
	2.0"-4.0"	4	8	16	12"	12"	6"	4"	10	16	32	12"	6"	4"
Hailgard*	1.5"	6	12	16	12"	12"	6"	4"	8	16	32	12"	6"	4"
	2.0"-4.0"	4	8	16	12"	12"	6"	4"	12	18	32	12"	6"	4"
Densdeck	0.25"	8	16	16	12"	12"	6"	4"	12	18	32	12"	6"	4"
	0.5"	6	12	16	12"	12"	6"	4"	10	16	32	12"	6"	4"
	0.625"	4	8	16	12"	12"	6"	4"	8	16	32	12"	6"	4"
DensDeck Prime	0.25"	6	12	16	12"	12"	6"	4"	12	18	32	12"	6"	4"
	0.5"	5	10	16	12"	12"	6"	4"	10	16	32	12"	6"	4"
	0.625"	4	8	16	12"	12"	6"	4"	8	16	32	12"	6"	4"
DensDeck StormX**	0.625"	4	8	n/a	12"	12"	6"	4"	16	24	32	12"	6"	4"
Securerock	0.25"	5	10	16	12"	12"	6"	4"	16	24	32	12"	6"	4"
Gypsum-Fiber	0.5"	4	8	16	12"	12"	6"	4"	12	18	32	12"	6"	4"
	0.625"	4	8	16	12"	12"	6"	4"	8	16	32	12"	6"	4"
Structodeck HD***	0.5" - 1.0"	8	16	n/a	12"	12"	6"	4"	16	24	32	12"	6"	4"

\*HD Fasteners and 3" Plates, NO Hailgard Fasteners

\*\*DensDeck StormX is only approved for UltraPly TPO membrane systems.

\*\*\*Structodeck HD max. 15 year warranty.

## For Standard Firestone Warranties:

Mechanical fastening for insulation requirements apply to all buildings up to 250'

Foam adhesion spacing requirements apply to all buildings up to 100'

Contact MWA for requirements exceeding these building heights

Contact MWA if you are working with design or uplift pressures

AP Fasteners are acceptable for new construction and complete reroof on warranties up to 15 years

HD Fasteners are required for all recovers and all new roofs for 20 year and longer warranties

Structodeck HD is not permitted on 25 and 30 year roof systems

Full Spray coverage is acceptable in lieu of 4" bead spacing

4' x 4' boards are required when using insulation adhesive for attachment

