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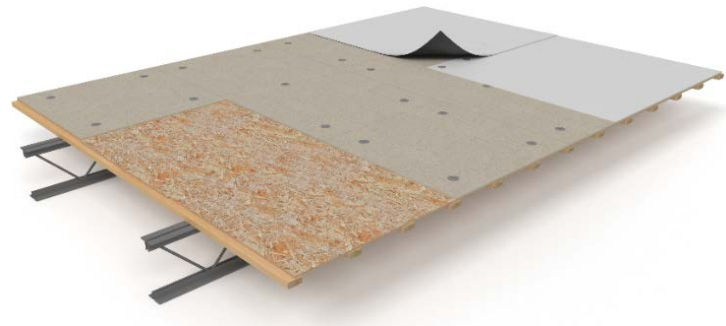
**Distribution:** External

## Johns Manville Announces ProtectoR™ HD FR

Johns Manville is proud to announce ProtectoR HD FR as the newest addition to the comprehensive cover board lineup. This cover board is a ½" thick, high density polyiso with Grade 1 compressive strength (109 psi max) and an R-value of 2.5. It utilizes premium inorganic coated-glass facers that yield UL Class A approvals over a combustible wood deck. ProtectoR HD FR is compatible with mechanically fastened, induction welded and adhered single ply membrane applications and offers excellent resistance to harsh rooftop conditions including hail, wind uplift, puncture and moisture. ProtectoR HD FR provides efficient fastening rates with as few as eight fasteners per 4'x8' board in adhered membrane applications.

### UL Class A Approvals Over Combustible Wood Deck

- Up to 1:12 incline with JM EPDM
- Up to 1:12 incline with JM TPO
- Up to 2:12 incline with JM PVC and JM PVC SD Plus



### Product Overview:

SKU	Product	Thickness	Size	Boards per Pallet	Pallets per Truck
90029165	ProtectoR™ HD FR	½"	48" x 96"	44	48
90029164	ProtectoR™ HD FR	½"	48" x 48"	44	96

ProtectoR HD FR is manufactured in Fernley, CA and Cornwall, ON.

### Installation and Specification:

Installation of ProtectoR HD FR follows the same guidelines as polyisocyanurate insulations, with joints butted tightly together. For wood deck application the board joints shall be offset a minimum of 6" from joints in the plywood or OSB substrate. This product is to be installed with the printed side "This Side Down" facing the deck. Boards are secured using appropriate fasteners and flat bottom plates or adhered using low rise urethane foam adhesive in ribbons. ProtectoR HD FR is compatible with all single ply application methods, except ballast, as well as cold applied and self-adhered modified bitumen membrane applications. ProtectoR HD FR is eligible to be included in the JM Peak Advantage® Guarantee.

Contact your local sales representative to find out more about the system benefits with ProtectoR HD FR.

Matt Sayer  
Polyiso and Boards Product Manager