

WHY INVINSA®?

Due to its lighter design, Invinsa saves on labor and installation costs while still delivering a stronger, more superior roof solution compared to other heavier choices.

EASIER TO CARRY AND MOVE

Choosing lighter-weight Invinsa over gypsum can significantly affect the bottom line of every project.

EASIER TO NAVIGATE THE JOB SITE

Because Invinsa is easier to carry and maneuver, it requires fewer pallets to be broken down or distributed than for gypsum products. In addition, Invinsa boards reduce crane time, which results in lower hoisting and staging costs.

EVEN EASIER ON THE STRUCTURE

Invinsa will contribute less dead load to the roof than gypsum boards.

WEIGHT AND LABOR SAVINGS	1/4" Invinsa	1/2" HD Polyiso	1/4" Gypsum	1/2" Gypsum	5/8" Gypsum
4' x 8' Board Weight (lb)	12	13	38-50	64-88	80-102
Weight Per 1,000 SQs (lb)	38,000	41,000	138,000	238,000	284,000
Extra Weight (dead load)	N.A.	N.A.	100,000	200,000	246,000
Pallets Loaded Per Hour	21	21	4	4	4
Hoisting — Forklift/Crane (hours)	5	5	17	28	35
Loading — Man Hours	9	9	33	56	69
Staging — Man Hours	14	14	63	83	104



PEAK ADVANTAGE Johns Manville

One-manufacturer full-system guarantee

Johns Manville offers the most comprehensive guarantee in the roofing industry. That's the advantage you can expect from a longtime, dependable leader in Johns Manville along with the financial backing from Berkshire Hathaway.



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INVINSA® COVER BOARDS

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RS-5603 8-17 (New)

WHY COVER BOARDS?

Performance. Protection. Peace of mind.

Water, fire, hail and people create wear and tear on your roofing system. When you choose to add the right cover board to your system, you allow your roof to perform at its highest potential while helping it last for decades.

WEIGHT

Choosing a light cover board allows for faster installation and fewer deliveries and is easier on your roof structure.

WATER

Water and moisture can create potentially disastrous problems with added weight and mold. When these issues occur, you want cover boards that offer low water absorption and do not support mold growth. They are your best line of defense if the membrane fails.

FIRE

In territories that consist mainly of wood decks, installing products that achieve a UL® Class A fire rating is the best option for you to prevent flame spread.

HAIL

Hail can be one of the most damaging weather elements to a roof system. More compressive strength during a hail storm can mean the difference between a delaminated facer and a system that stands up to the elements.

SAVING OUR CUSTOMERS TIME AND MONEY ONE JOB AT A TIME.

To further protect your roofing system against harsh elements, Invinsa® cover boards are the best choice. With their high-density, closed-cell formulation, these boards raise the bar by consistently performing well and protecting roof systems. They stand up to the elements and offer an economical advantage over the competition.

Invinsa cover boards are a prime example of our commitment to being a pioneer of polyiso manufacturing. With more than 10 years of successful performance, these boards continuously exceed expectations.

INVINSA

Our original patented design offers customers the first high-density, lightweight cover board protecting roofs from impact.

INVINSA FR

This board is a lightweight HD polyiso board that achieves UL Class A fire ratings over combustible decks.

WATER

	1/4" Invinsa	1/4" Invinsa FR	1/4" Gypsum	1/2" Gypsum	5/8" Gypsum
Water Absorption % Vol. Invinsa, % Wt. Gypsum	2	4	10	10	10
Water Absorbed Per 4' x 8' Board (lb)	0.8	1.7	3.8-5.2	6.4-8.8	8.0-10.2
Extra Weight From Water on 1,000 SQs (lb)	260	520	1,600	2,800	3,200

FIRE (FR)

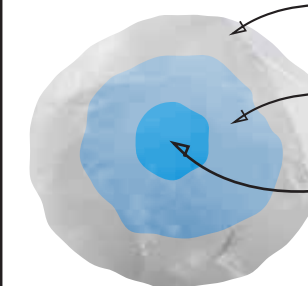
Deck	Class	Max. Slope (in/ft)	Membrane	Insulation	Cover Board	Attachment Method
COMBUSTIBLE	A	1/2	JM TPO	ENERGY 3® (Optional – can be installed above or below Invinsa FR)	INVINSA FR	Adhered (SB, WB)
		1	JM TPO			Mechanically Fastened
		1/2	JM TPO FB			Mechanically Fastened
		1	JM PVC			Adhered (LV, WB)
		2	JM PVC FB			Adhered (LV, WB)
		2	JM PVC SD			Adhered (LV, WB)
		2	JM PVC			Mechanically Fastened
		2	JM PVC SD			Mechanically Fastened
		2	JM EPDM NR			Adhered (SB, LV)
		1	JM EPDM NR			Adhered (WB)
		3/4	JM EPDM R			Adhered (WB)
		1	JM EPDM R			Adhered (SB, LV)
		3/4	JM EPDM R			Mechanically Fastened
		B	2			JM TPO

FB = Fleece Backed, NR = Nonreinforced, R = Reinforced

SB = Solvent-Based, WB = Water-Based, LV = Low VOC

HAIL

Impact Fracture Resistance

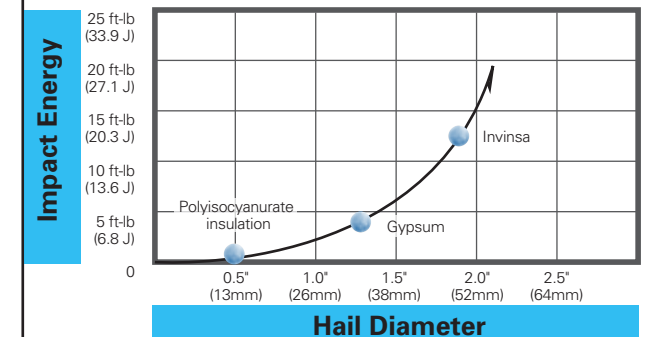


Invinsa roof board resists fracture from hail up to 1.75" (45 mm) in diameter

Gypsum cover board resists fracture from hail up to 1.3" (33 mm) in diameter

Polyisocyanurate roof insulation (without cover board protection) resists fracture from hail up to 0.5" (13 mm) in diameter

Fully Adhered, JM Single Ply Systems



Results of testing to measure the energy and ice-ball size impacting a fully adhered PVC, TPO or EPDM roof system before board fracture and failure. Tests were conducted by Jim D. Koontz & Associates, an independent lab, according to standards of the National Institute of Standards and Technology (formerly the National Bureau of Standards), Method 23.