

Why Cover Board?

Performance. Protection. Peace of mind. The addition of the right cover board works in concert with a roofing system to defy the elements: water, fire, hail, wind. And, don't forget the human element. The right cover board supports system longevity and allows your roof system and your investment to perform to their potential.

The "elements" that attack a roof system are many and they are relentless.



Water

Roofing systems are designed to keep water out. Moisture that seeps into a system through a damaged membrane can ultimately degrade the entire system. Adding a layer of cover board between the membrane and the insulation adds a layer of protection in the roof system. Johns Manville's Invinsa™ roof board retains its integrity if water is present. It does not rot or dissolve. It does not support mold growth. Invinsa simply does its job over time.



Fire

The right cover board enhances the fire resistance of a roofing system. JM Invinsa roof board is approved for certain Class A applications by FM Global and Underwriters Laboratories, Inc. – the highest rating available for a roofing system.



Hail

Resistance to hail is a performance priority for roof systems in many areas of the country. Without a protective layer of cover board, hail can weaken the membrane and destroy the insulation, allowing moisture to enter the system, and creating the potential for roof failure. The addition of a cover board can enhance resistance. Yet, unless the cover board itself has resiliency, the potential for damage remains.

High compressive strength is often touted as important in defending against impact. Too much compressive strength, however, can make some materials more brittle, more subject to fracture and cracking. A good China plate, for example, has high compressive strength, but you wouldn't want to drop a hammer on it.

Today, Johns Manville's patent-pending high-density polyisocyanurate technology delivers Invinsa roof board, with the right combination of compressive and flexural strength to provide enhanced protection against impact.



Wind

The right cover board helps protect the roof system against the ravages of wind. It cannot do this as a standalone component.

The right cover board is integrally entwined into the roof assembly which is engineered for long-term system durability. JM Invinsa roof board works with fully adhered and mechanically attached PVC, TPO and EPDM systems to meet the industry standard FM Global 1-90 roof construction.

The "human element."

Foot traffic. Wheel barrows. Heavily loaded carts. Dropped tools. All of these can cause damage to a roof system. Without a cover board to absorb these impacts, the membrane and ultimately the insulation are at risk. With a cover board, these risks are mitigated. But again, in order to protect against potential damage from impact, the cover board, too, must have high impact resistance. JM Invinsa roof board was engineered to attain the right balance between compressive strength and impact strength.

The right cover board provides the greatest value by offering the best protection at the lowest total installed cost.

The cost of adding a component to the roof system cannot be ignored. Nor can we ignore the cost of repairing roof systems that have been compromised by the "elements". Roof failure, damaged building contents, business downtime, loss of owner confidence, litigation...immeasurable costs. Costs that can often be avoided with the addition of the right cover board to the roof system.

During the design and specification stage, a look at "total installed cost" can often be a determining factor in cover board selection. Look for light weight, user friendly materials that install in nearly half the time you would expect.

Invinsa enhances the roof system's resistance to moisture, hail, and roof traffic. The greater the protection, the more durable the roof system. The more durable the system, the lower the cost of ownership. Consider all of this when considering the life of the roof you are designing.

Invinsa is a cover board designed by a company who knows roofing – Johns Manville. Invinsa adds value, increasing protection and lowering installation costs. You can count on Invinsa roof board to perform – to defy the elements and to enhance the life of your roof system.