

# The JM Invinsa® Roof Board Advantage

## A Product in Demand

Invinsa is the fastest-growing product sold by JM! Architects, specifiers and contractors generally agree that adding a cover board enhances the long-term performance of single ply as well as cold-applied and self-adhered bituminous roof systems. It adds stability. It adds peace of mind. It adds a layer of protection between your thermal investment and the waterproofing membrane.

## A Trusted Roofing Material in a Revolutionary Form

Johns Manville has taken 20 years of history and expertise in polyisocyanurate manufacturing and developed a revolutionary product based on this technology. Invinsa meets or exceeds all ASTM C 1289 standards. Invinsa Roof Board specifically meets the needs of cold-applied and self-adhered bituminous as well as single ply roofing systems. Its patent-pending, closed-cell formulation introduces a new level of roof system protection and performance.

## Invinsa Roof Board Converts Even the Toughest Critics

How? Simply put, at comparable thicknesses, Invinsa is one-third the weight of gypsum cover board materials, and it is easy to cut with virtually no dust. Contractors prefer the use of Invinsa versus gypsum because it is ergonomically superior to handle and install. Many have observed that their crews tire less on the job and gain more productivity. With its mineral-surfaced fiber glass-reinforced facers, it provides excellent water resistance. Low water absorption characteristics offer performance benefits in diverse environments. And it needs no priming, making installation dramatically faster, easier and less costly.

## Efficient Adhesive Application Due to Smooth Surface and Low Dust

Side-by-side roofing tests comparing Invinsa and gypsum's absorption rate to adhesives tell the story. The porous gypsum surface soaked up the adhesive and softened the board, resulting in 40% more adhesive used compared to Invinsa. The smooth, high-quality Invinsa surface keeps the adhesive where you want it: on the surface—potentially saving up to 10 to 15 cents per square foot in adhesive!

## Invinsa Saves Money at Every Stage of the Job

Invinsa is one-third the weight of gypsum. That translates directly into money saved in shipping, craning and staging on the roof as well as application. Invinsa's light weight can actually mean the difference between a costly tear-off and replacement of the insulation versus a re-cover of existing materials, often resulting in significant savings. The R-value of 1 saves energy and money for the building owner—every year for the life of the roof.

## The Perfect Solution for Projects with Load Concerns

Every 100 squares of Invinsa keeps almost five tons of dead weight off the roof compared to the same thickness of gypsum. This means less concern over structural loading and long-term building performance.

## Invinsa Delivers a Better, More Durable Roof

Invinsa works as a protective layer between the membrane and insulation. It resists the destructive forces of fracture caused by hail up to 1.75 in. (45 mm) in diameter. Resiliency is a key factor to Invinsa's success incorporating the right balance of flexibility and compressive strength. With a compressive strength of 150 psi, Invinsa protects the roof from foot traffic, dropped hammers, tools, and heavily loaded carts.

## Why Invinsa is Better than Gypsum for a Cover Board

When a cover board is incorporated into the roofing assembly, it helps mitigate damaging impacts. But it is important to choose carefully, or the cover board may actually make a roof assembly more vulnerable to fracture and cracking. A cover board with high compressive strength like gypsum is not necessarily the entire answer; its resiliency also plays a key role. No one takes china plates and drinking glasses camping, because they are heavy, brittle and break too easily. You bring plastic because it is light and easy to carry, will not break and has better durability. The same principles apply.

