

5 WAYS COVER BOARDS DEFEND ROOFS FROM WIND DAMAGE

W IS FOR WIND

Depending on the direction and speed when it hits, wind can wreak havoc on a building in a variety of ways. Cover boards strengthen the entire roofing assembly, helping mitigate the risk of damage that often trails behind a strong wind's path. Consider these 5 key ways cover boards can save your roof when the time comes.



HEFTY MEMBRANE SUPPORT

Adding a cover board to the roofing assembly provides extra membrane protection with a reliably sturdy surface to adhere to against wind damage, including uplift pressure (differential changes that happen when gusts meet the side of a structure then direct upward and across the roof). DensDeck® Prime Roof Boards have passed independent FM Calorimeter Standard 4450 testing for wind uplift in Class 1 assemblies.¹



SUSTAINED STRUCTURAL INTEGRITY

Cover boards add strength to the assembly, reinforcing the roof's structural integrity to better hold against wind's pressure. Maintaining flexural strength when both dry and wet is critical for roof assembly protection in wind events.



RETENTION UNDER PRESSURE

The cover board's strong gypsum core to glass mat bond boosts the assembly's wind protection by helping hold the membrane to the roof, which can then prevent exposing the membrane and insulation to damage. In third-party testing, DensDeck® Prime Roof Boards demonstrated greater overall vertical pull strength versus gypsum fiber boards and alternative glass-mat faced gypsum boards.²



RESISTS FLYING OBJECTS

High windspeeds alone can prove damaging, but they get a whole lot more dangerous when picking up large pieces of matter along the way. Cover boards ratchet up the roof assembly's protection barrier by providing an added layer of puncture resistance against windborne objects.



MOISTURE DAMAGE REDUCTION

Rain in storms of any size compound wind's damaging power. Wind damage can leave portions of the roofing assembly exposed to the inclement weather, letting rainwater and water vapor seep in. The right cover board can stand up to moisture and help defend the assembly from potential deterioration from bulk and surface water, while also protecting the insulation from wind-related moisture damage and the added reparation costs it incurs. In third-party testing, alternative glass-mat faced gypsum panels absorbed, on average, 76% more water and 4x more surface water than DensDeck® Prime Roof Boards.³