PHOTOVOLTAIC ROOFING REQUIRES STURDY COVER BOARD SUPPORT SOLAR PANELING'S ADDED PROTECTION AGAINST...

fiberglass measure a higher compressive strength (up to 900 pounds per square inch¹) compared to polviso

WEIGHT

Heavy solar paneling equipment puts extra wear and tear on the roof. But a high-performance cover board gives the roof assembly extra support for photovoltaic (PV) panel installation, storage, and maintenance by:

- Layering a strong barrier of puncture resistance between the rooftop holding the equipment and the more delicate membrane and insulation below, which are costly and difficult to replace
- Distributing the extra compressive weight across the roof assembly to help maintain structural stability and avoid areas of weakness under the equipment





SOUND

Including a rigid cover board in your roofing system helps lessen the loud noise of PV equipment installation, as well as the sound of foot traffic from regular maintenance work overhead, by:

- Providing extra mass and protection around the insulation to help enhance the sound barrier
- Lessening the sound vibrations transferring from the rooftop through to the floors below, greatly impacting the roof assembly's sound transmission class (STC)

Gypsum-fiberglass cover boards are included in multiple independently tested LEED- and IGCC-compatible soundisolation solutions through the Aviation Safety and Noise Abatement Act³.

FIRE

Reduced material cost and increased interest in energy efficiency continue to make solar paneling a popular choice. But commercial buildings' often large, low-slope roofs need a strategy to plan for the high-voltage electrical components and combustible PV materials. The right cover board choice can mitigate fire damage risks by:

- Helping stop potential equipment sparks and flames from spreading from the roof to the rest of the building
- Providing a noncombustible barrier between the heat-generating solar panels and the roofing materials below





Learn how DensDeck[®] Prime Roof Board, made from gypsum and fiberglass, can enhance your building's solar offerings while protecting the building structure and contents within at DensDeck.com.

¹https://cache5.buildgp.com/wp-content/uploads/2019/01/DensDeck_Prime_Submittal.pdf ²https://www.finehomebuilding.com/2018/01/08/get-right-rigid-foam ³https://www.buildgp.com/wp-content/uploads/2018/11/DensDeck-Sound-isolation-for-commercial-roof-systems.pdf

For additional product fire, safety, and use information go to buildgp.com/safetyinfo or call 1-800-225-6119



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