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

inch') compared to polyso boards' typical 25 psi?



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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