



Photovoltaic panel FM certification

What is the new FM Approvals certification program for PV modules?

The new FM Approvals certification program for PV modules can help meet these needs by providing an efficient one-stop certification resource. FM Approvals is the leading third-party testing laboratory for the certification of commercial roofing products in the world.

Does this standard qualify flexible photovoltaic modules?

This standard does not qualify flexible photovoltaic modules. Flexible photovoltaic systems are evaluated per FM Approvals Standard 4476. Purpose This standard states the testing and certification requirements for rigid photovoltaic modules that are installed with a certified roof assembly.

Does a flexible photovoltaic system qualify for FM Approvals standard 4476?

This standard only addresses the photovoltaic module system and does not address any other electrical component utilized to supply the generated electrical power to the facility. This standard does not qualify flexible photovoltaic modules. Flexible photovoltaic systems are evaluated per FM Approvals Standard 4476.

Purpose

Are flexible solar panels FM approved?

Adhered, flexible solar panels have been FM Approved in the past. They were required to be adhered across their entire underside. Flexible solar panels that are only secured around their edges will not uniformly distribute the wind load to the roof cover they are adhered to.

What is FM approval standard 4476 & 4478?

Approval Standard 4476, Approval Standard for Flexible Photovoltaic Modules, and Approval Standard 4478, Approval Standard for Rigid Photovoltaic Modules, enable PV module manufacturers and others to obtain FM Approval for their products when used as part of an FM Approved roofing assembly.

How big is a PV module?

2 in. (50 mm) deep, integral aluminum frame of the PV module is to be 5 in. (127 mm). The PV modules are 60 cell and are 39 in. (1 m) wide and 66 in. (1.68 m) long. The long dimension of the PV modules will run across the deck ribs.

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