

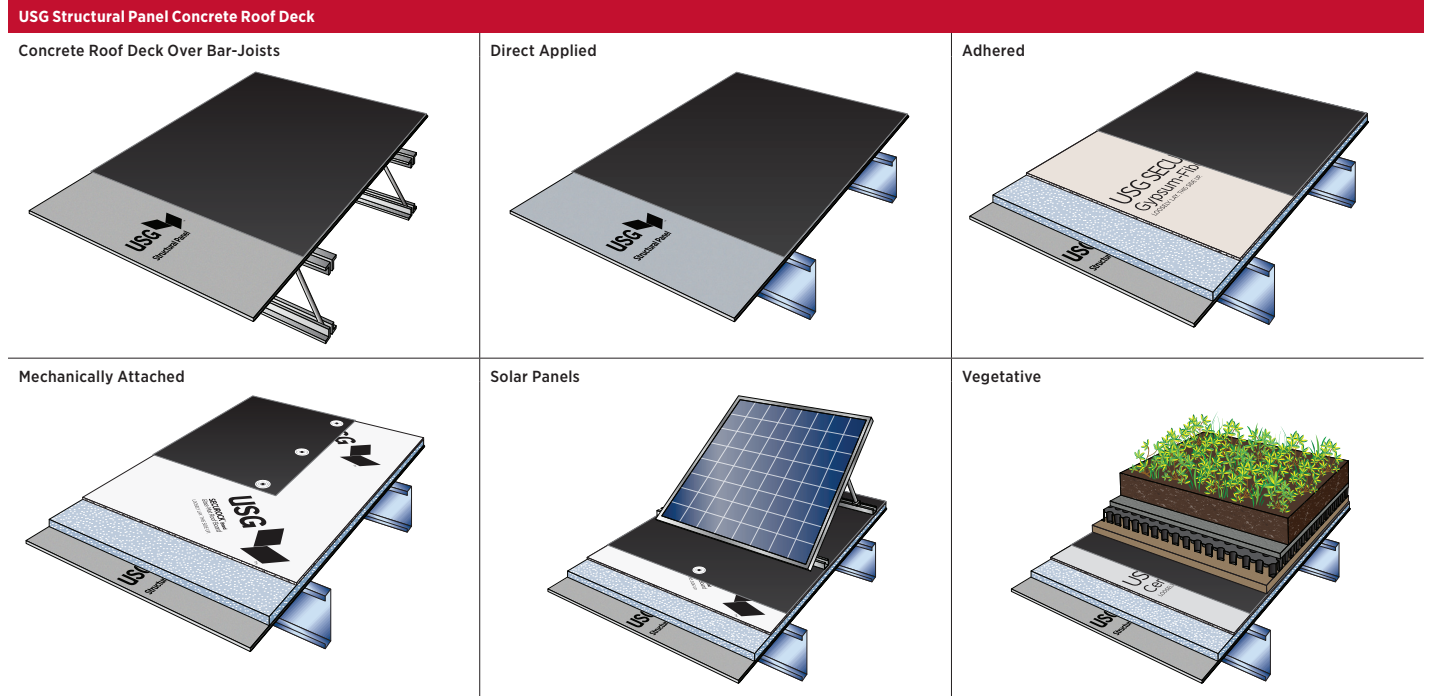


## USG STRUCTURAL PANEL CONCRETE ROOF DECK

### LOW-SLOPE ROOF APPLICATION

- The only cementitious structural panel approved by Factory Mutual (FM)
- Three easy steps: lay, fasten, finish
- No pouring, no setting, no curing
- Mold-, moisture- and termite-resistant
- An alternative for noncombustible roof deck meeting latest active ASTM standard E136
- Made in USA

## TYPICAL APPLICATIONS



## SYSTEM PERFORMANCE

Description	Reference
Code Reports	PER-14076 <sup>a</sup>
UL 1-, 1.5-, 2-Hour Fire-Resistance Designs <sup>a</sup>	P561, P562, P573

(a) For the most up-to-date UL Designations, visit [www.USGStructuralUL.com](http://www.USGStructuralUL.com).  
 (b) For the most up-to-date Product Evaluation Report, visit [www.PER14067.com](http://www.PER14067.com)

## ULTIMATE LOAD CAPACITY FOR USG STRUCTURAL PANEL CONCRETE ROOF DECK

The following table represents the Ultimate Load Capacity of USG Structural Panel Concrete Roof Decks. The uniform load and uplift capacities in this table represent the attachment of the Concrete Roof Deck to the structural framing members – the values for a roofing system are obtained from the roofing system manufacturer's testing and specific installation instructions. For the most up-to-date load tables, see the Progressive Engineering Inc. report, [PER-14076](http://PER-14076).

For technical questions, email [usgstructural@usg.com](mailto:usgstructural@usg.com). A qualified architect or engineer should review and approve calculations, framing and fastener spacing for all projects.

Joist Spacing inch (mm)	Uniform Load psf (kPa)	Uplift Capacity psf (kPa) <sup>1,2,3</sup>			
		Fastener spacing (edge/field)			
		8/12	8/8	6/6	4/4
12 (304.8)	1320 (63.2)	513 (24.6)	770 (36.9)	1026 (49.1)	1320 (63.2)
16 (406.4)	744 (35.6)	385 (18.4)	557 (27.6)	744 (35.6)	744 (35.6)
24 (609.6)	330 (15.8)	257 (12.3)	330 (15.8)	330 (15.8)	330 (15.8)
32 (812.8)	240 (11.5)	192 (9.19)	240 (11.5)	240 (11.5)	240 (11.5)
48 (1219) <sup>4</sup>	150 (7.2)	128 (6.1)	150 (7.2)	150 (7.2)	150 (7.2)

For SI: 1 inch = 25.4 mm, 1 psf = 47.88 Pa.

- Ultimate Load Values have no safety factor included.
- Two framing spans minimum per panel piece.
- Ultimate uplift load table for general reference only. For complete load capacities, consult Progressive Engineering Inc. Product Evaluation Report [PER-14076](http://PER-14076)
- Blocking at all joints perpendicular to framing to be a minimum of 16 gauge 3-5/8" (92 mm) wide track. For sheathing installation where a single span condition exists, additional track blocking is required perpendicular to the framing located midway between the edges of the panel.

**MSRP based upon full truckload delivered to jobsite:  
Roof Deck: \$5.40/sf**

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### PRODUCT INFORMATION

See [usg.com/structural](http://usg.com/structural) for the most up-to-date product information.

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### SAFETY FIRST!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

