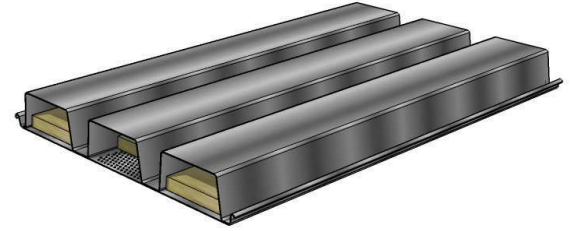


CELLULAR DECK PRODUCTS

CELLULAR ROOF DECK

Vulcraft produces the following acoustical and non-acoustical cellular roof decks:

Cellular Roof Deck Profiles: 1.5BP and 3NP
 Cellular Acoustical Roof Deck Profiles: 1.5BPA and 3NPA



CELLULAR COMPOSITE FLOOR DECK

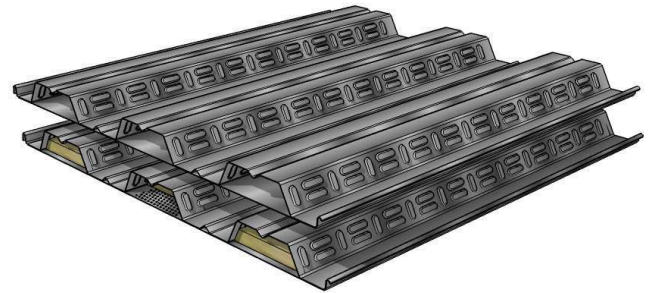
Vulcraft produces the following acoustical and non-acoustical cellular composite floor decks:

Cellular Composite Floor Deck Profiles: 1.5VLP, 2VLP and 3VLP
 Cellular Acoustical Composite Floor Deck Profiles: 1.5VLPA, 2VLPA and 3VLPA

Cellular decks are available in the following gage combinations (hat / pan): 20/20, 20/18, 18/20, 18/18, 18/16, 16/18, and 16/16.

CELLULAR DECK DESIGN

Design of cellular deck may be conservatively based on the guidelines outlined below. Please contact your Vulcraft representative if more detailed information is required.



CELLULAR ROOF DECK

Vertical Load Design: Vertical load design of cellular deck may be based on the properties of fluted deck of the same gage and profile as the fluted top section, with or without acoustical perforations in the flat bottom section of the cellular deck.

Diaphragm Design: Diaphragm shear strength and flexibility factors for B and N fluted decks are applicable to cellular sections with a fluted top section of the same profile but with the gage of the flat bottom sheet, with or without acoustical perforations in the flat bottom section of the cellular deck. See “Roof Deck Legacy Diaphragm Tables”, available at www.vulcraft.com/catalogs for B and N roof deck diaphragm tables.

CELLULAR COMPOSITE FLOOR DECK

Unshored Clear Spans: Determination of maximum unshored clear spans of cellular deck may be based on the properties of fluted deck of the same gage and profile as the fluted top section, with or without acoustical perforations in the flat bottom section of the cellular deck.

Superimposed Live Load: Superimposed live loads for Vulcraft composite decks for a given concrete type and thickness may be applied to composite cellular sections with a fluted top section of the same profile and gage, with or without acoustical perforations in the flat bottom section of the cellular deck.

Diaphragm Design: Diaphragm shear strength and flexibility factors shown on pages 68 to 69 for fluted composite decks are applicable to cellular sections with a fluted top section of the same profile but with the gage of the flat bottom sheet, with or without acoustical perforations in the flat bottom section of the cellular deck.