

Berridge S-Deck

Corrugated structural multipurpose metal roof and wall panel available for residential or commercial applications over solid decking or open framing. S-Deck may be curved for covered walkways, shelter covers, etc.

- Available in 24 gauge or 22 gauge steel or 0.032 & 0.040 aluminum
- Vertical and horizontal applications
- 32" panels can be factory curved
- Minimum 5' radius for curved panels (10' min. radius for 22 gauge)
- UL fire resistance listed
- Class 4 hail resistance listed
- ASTM E-1592 tested*
- Florida Product Approval*
- Multi-use: roof, wall or sheathing

Unless otherwise noted, all testing is for steel only
*Approved for steel and aluminum

Curved S-Deck Notes: Curved S-Deck is available in 32" exposure panels only. Berridge recommends lapping two corrugations on panel side laps when using curved S-Deck. Exposure will be 29-1/3" with two laps or 32" with one lap. Add 6" to 8" extra to all panel lengths for Curved S-Deck.

S-Deck Section Properties					
Gauge	Inches	WT. (PSF)	FY (KSI)	I _x (in ⁴ /ft)	M _A (ft-lbs/ft)
24	.0239	1.24	40	0.0326	144.9

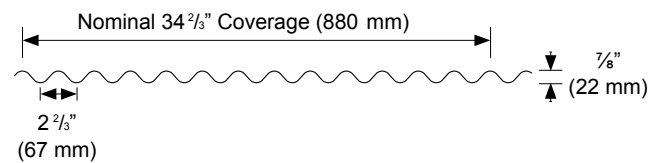
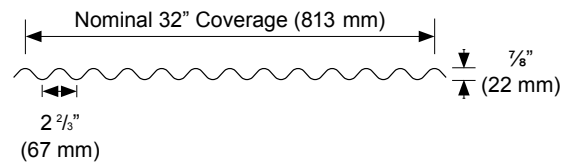
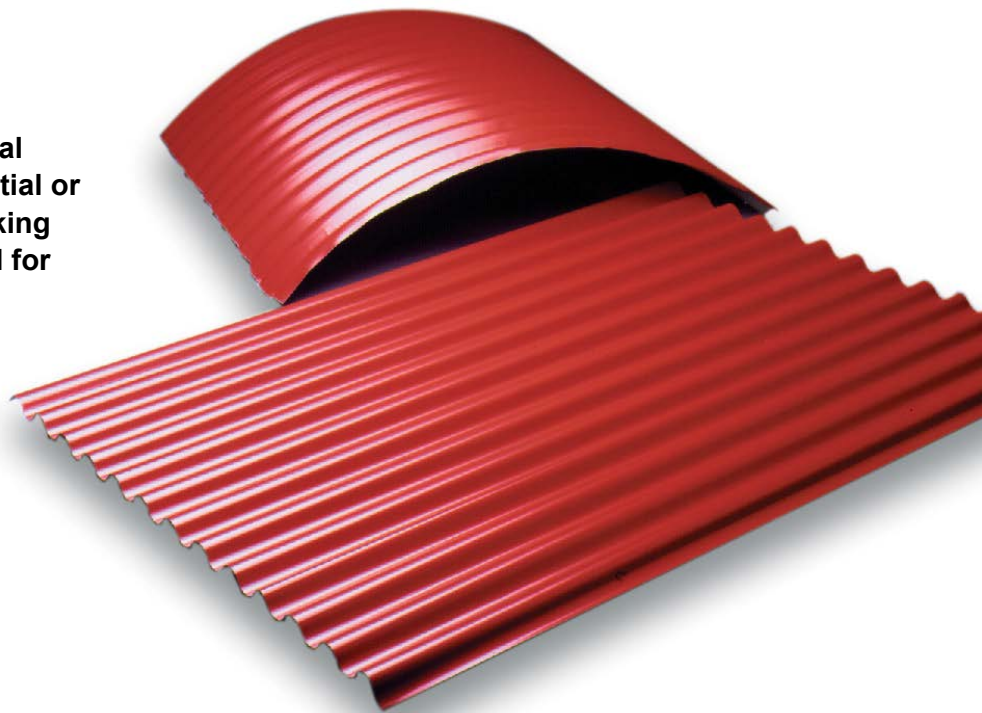
Allowable Uniform Loads (PSF)										
Material Thickness (Inches)	Dead + Live Load (Stress)					Live Load Defl (L/240)				
	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"
.0239	149	110	83	66	53	149	94	63	44	32

NOTES:

1. Section Properties and Allowable Stresses have been calculated in accordance with the 1996 AISI Specifications for the Design of Cold-Formed Steel Structural Members.
2. Panel steel conforms to ASTM 792 Grade 40.
3. Values shown as allowable loads are based on panels covering three equal continuous spans. Multiply the values by 0.85 for two span dead & live load (stress).
4. The Panel weight has been deducted from the allowable load tables.



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SPECIFICATIONS

(Complete specifications available at www.berridge.com)

PRODUCT:
Furnish and install Berridge S-Deck Panel utilizing complete specifications located at <http://www.berridge.com/downloads/>

MANUFACTURE:
Panel is available from the factory in continuous lengths to a maximum of 40'-0".

ENGINEERING:
Acceptable installation design of the panel in an exterior cover use is over open framing or solid structural sheathing. Roof Deck to be free of all objects which may puncture underlayment (entire roof area must be covered with a minimum of number thirty roof felt run horizontally starting at the eave. Review Berridge underlayment details for complete installation instructions). Reference <http://www.berridge.com/technical/> for additional UL fire rated assemblies and for UL Impact Resistant panels.

MATERIALS, FINISH INFORMATION, & CONSTRUCTION DETAILS:
For Galvalume Materials, reference: <http://www.berridge.com/wp-content/uploads/2017/01/Berridge-Prefinished-Galvalume-Data-Sheet.pdf>
For Finish Information, reference: www.berridge.com/colors/
For construction details, reference: www.berridge.com/downloads/
For specific questions: technical@berridge.com