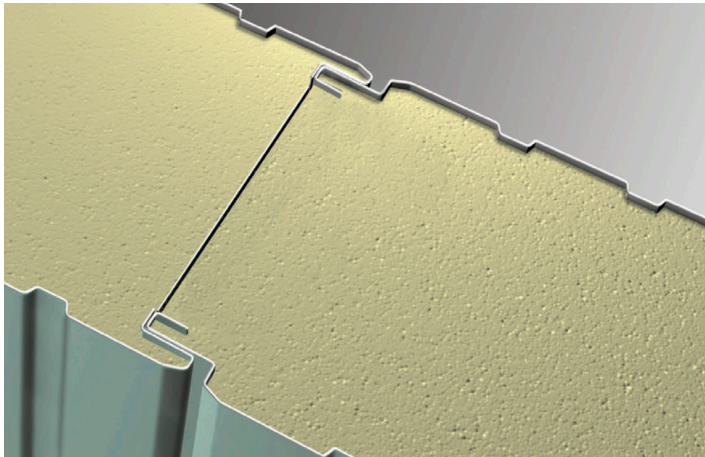


## Advantages of GLOBEWALL design



The wall panels are designed to be laid in the vertical and horizontal mode: the male-female joint is designed to ensure maximum thermal insulation and watertightness along all the joint lines between the panels. Laying in the horizontal mode, requires the design responsibility of a qualified professional, who will assess the feasibility conditions according to the specific conditions of the project (climatic zone of the building, solar exposure for thermal expansion, type of underlying structure and all necessary parameters) proposing the most suitable technical solution for the intervention.

The perfect configuration of the joint makes the surface of the building envelope pleasant and uniform, and allows the panel to considerably reduce thermal bridges, which are known to cause energy loss and condensation. The special labyrinth joint is only available on 7.87 in.



# Technical specifications

Calculations performed on panel with 26x26 gauge steel facings \* (8 days from production)

Coefficient of heat loss	
Thickness (inches)	R-Value (h·ft <sup>2</sup> ·°F/BTU)
0.99	7,37
1.18	7,78
1.58	9,79
1.97	12,9
2.36	15,35
3.15	21,84
3.94	28,39
4.72	33,4
5.91	43,68
7.87	56,78


- ✔ **Dimensions:** width 7.87 ft. Length: as requested in continuous production. Standard thickness of polyurethane (S): Panels from 0.98 in up to 7.87 in. Panels with non-standard thickness are available on request, subject to agreement on minimum quantities. (200 mm thickness panel has a special interlocking joint).
- ✔ **Foam insulation in continuous of:** polyurethane resins (PUR) or (PIR to request, non-standard). Density at the core PIR: 2.5 lb/ft<sup>3</sup>, Declared value of thermal transmittance for a panel after 25 years of its installation, - Initial value of thermal conductivity: = 0.139 Btu·in/(h·ft<sup>2</sup>·°F).
- ✔ **Protective treatments for external support available on request:** Pre-painting with polyester, superpolyester (HD), PVDF, polyurethane PUR/PA, plastisol, plasticized PVC with thicknesses ranging from 15 to 200 micron. Availability on request of other films and non-toxic coatings for occasional contact with food.


## Maximum uniformly distributed load

$lb/ft^2 - DEFLECTION \leq 1/100L$

### Test report analysis

The report test given above is provided for information purposes only. Values and formulas should not be used to determine or calculate the flow rate of the panel. It is the responsibility and care of the customer and/or designer to draft appropriate calculations with specific reference for individual uses. The thicknesses and quality of steel defined in the report test above, does not represent a standard of product as the combination of thicknesses and materials is determined by the customer according to their technical requirements, therefore the customer and/or the designer are required to specify thickness, quality and type of materials that the producer will use in the construction of the panels. The test report issued in this page gives load diagram and flow rate values. The flow values may change significantly to varying of the initial conditions of the project (light span, duration of load application: short, long term or permanent; thickness of sheet metal, interior and exterior, internal and external temperatures, width of support, condition of limit state of the panel and material type). In this case, the values generated consider the thickness of 26 gauge interior and exterior of the metallic supports - prepainted galvanized steel, the width of the support to 4 in, long-term load, serviceability limit state (SLS 1/100 ° L - TD 36 °F).

	 <span style="float: right;">Span distance (ft)</span>									
Thickness (in)	5	7	8	10	11	13	15	16	18	20
1,18	49,5	35,7	21,5	13,8	9,2	6,5	4,6	3,6	2,7	2,1
1,38	57,5	41,8	27,6	18,2	12,5	8,6	6,3	4,8	3,6	2,5
1,57	66,3	49,7	34,1	22,4	15,9	11,1	7,9	6,1	4,6	3,6
1,97	83,0	62,3	48,1	32,2	22,6	16,1	11,9	9,0	7,1	5,4
2,36	99,7	74,8	59,8	43,1	30,5	22,2	16,1	12,3	9,8	7,5
3,15	133,1	99,9	79,8	61,0	44,7	34,3	27,2	21,1	16,5	13,2
3,94	148,2	111,0	88,8	74,0	56,0	43,5	33,9	27,4	22,8	19,0
4,72	177,9	133,3	106,6	88,8	67,3	51,4	40,8	33,0	27,2	22,8
5,51	207,5	155,7	124,6	103,7	78,6	60,2	47,4	38,5	31,8	26,8
5,91	222,4	166,8	133,3	111,2	84,0	64,4	50,8	41,2	34,1	28,6
6,3	237,2	177,9	142,3	118,7	89,7	68,8	54,3	43,9	36,4	30,5
7,09	266,9	200,2	160,1	133,6	100,9	77,3	61,0	49,5	41,0	34,3
7,87	296,8	222,6	178,1	148,4	112,2	85,9	67,9	55,0	45,4	38,2

	 <span style="float: right;">Multiple span distance (ft)</span>									
Thickness (in)	5	7	8	10	11	13	15	16	18	20
1,18	42,6	32,8	25,1	20,1	14,2	10,2	7,7	5,9	4,6	3,6
1,38	50,2	36,8	29,3	23,0	18,6	13,4	10,2	7,9	6,5	4,8
1,57	57,5	42,4	33,6	28,0	22,6	16,7	12,5	9,8	7,5	6,1
1,97	72,3	53,3	42,2	35,1	29,9	23,6	18,2	14,2	11,3	9,0
2,36	87,6	64,4	51,0	42,2	36,2	28,6	22,4	18,2	14,6	12,3
3,15	118,1	86,7	68,6	56,6	48,3	38,7	30,9	30,5	19,9	16,5
3,94	132,5	97,2	76,7	63,3	53,9	47,0	38,2	38,2	30,5	25,1
4,72	160,3	117,5	92,4	76,3	65,0	56,6	46,6	37,2	43,9	35,7
5,51	180,6	139,0	107,4	86,7	76,1	67,7	55,2	55,2	44,1	36,4
5,91	185,0	136,9	108,5	89,9	76,7	66,9	58,9	47,2	47,2	39,1
6,3	185,4	137,1	108,7	90,1	76,7	67,1	59,4	50,8	41,2	34,3
7,09	185,4	137,1	108,7	90,1	77,7	67,9	59,1	51,4	51,4	47,0
7,87	187,1	138,1	109,7	91,5	78,4	68,6	60,8	51,6	42,0	42,0

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