

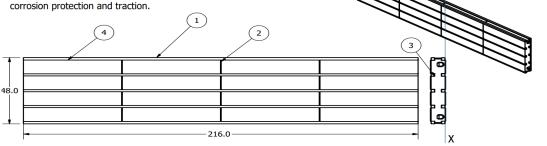
Infinity Mat Specification Sheet

8" x 4' x 18' Foam Filled Steel Mat



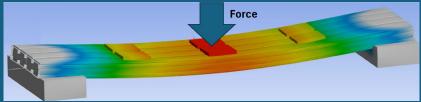
Design Performance: Mat designed for high strength and durability applications for the longest life

Matt consists of a 2 x 2 x 1/8 frame with five 7 ga cross supports. 7 ga cover plates are welded creating an outer surface. Each cavity is then filled with 1.8 lb/sqft closed cell foam whcih adds to the regidity and bouyancy of the matt. The matt is finished with a 2-part epoxy finish and a polyurathane finish for corrosion protection and traction.





Structural Efficiency: 8" Mat steel and foam construction with the bending performance of 12" hardwood timber



8" steel mat wtih 99.4% of bending stiffness of 12" hardwood mat

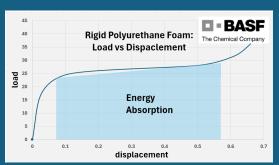
Bending

X-Axis

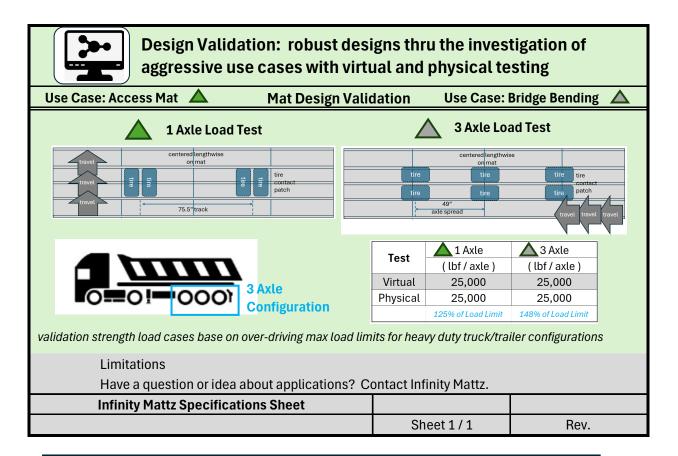
Performance



Toughness: the most forgiving materials (A36 steel and BASF Autofroth rigid foam) for the best energy absorption



steel: ~ 20% elongation foam: ~ 60% elongation



Mat - Structural Bending Performance

E lxx Effective Bending Stiffness 8, 248 x10^9 lbs in^2

Fb Allowable Bending Stress 18,000 psi

Please consult Infinity Mattz about any further information or applications.

Mat - Material Specification

Steel Material: A36

E: 30x10^6 psi Yield Strength: 36,000 psi Ult Tensile Strength: 58 - 80,000 psi

Elongation at UTS: 20%

Test	1 Axle	3 Axle
	(lbf/axle)	(lbf/axle)
Virtual	25,000	25,000
Physical	25,000	25,000

125% of Load Lim48% of Load Limit