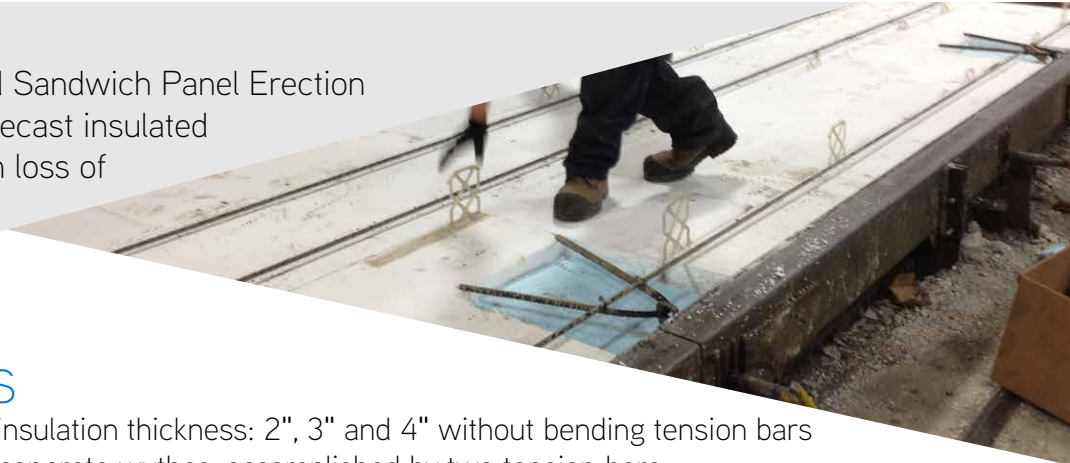


P92SF Erection Anchors

DESCRIPTION

Dayton Superior's P92SF Forged Sandwich Panel Erection Anchors are designed to erect precast insulated sandwich panels with a minimum loss of insulation.



FEATURES & BENEFITS

- Designed for use with common insulation thickness: 2", 3" and 4" without bending tension bars
- Distributes loads evenly to both concrete wythes, accomplished by two tension bars placed through the holes at the end of the anchor
- Forged anchor shape eliminates steel near top edge of face of panel, reducing cracks
- Forged anchors can be used in mitered corner without need for insulation block out
- Forged material minimizes rust and can result in eliminating galvanizing requirement for some projects.
- Based on Charpy Impact Test, forged anchors have twice low temperature ductility over stamped anchors.



PRODUCT DATA

- Patent #5,857,296
- The head of the anchor is designed with two protrusions which provide protection against concrete spalling. These protrusions restrict the ring clutch rotation during lateral pulls. As a result, lateral forces are transmitted directly to the edge of the anchor instead of the concrete.
- Shear bars can be used for double shear condition by placing shear bars through top of tension bar slot next to tension bars.

ANCHOR TONNAGE	ANCHOR LENGTH	CONCRETE COMPRESSIVE STRENGTH	INSULATED PANEL THICKNESS	SHEAR PARALLEL TO THICKNESS	SHEAR PERPENDICULAR TO THICKNESS	TENSION	TENSION REBAR	SHEAR REBAR
6-ton	7"	3,500 psi	2" x 4" x 2"	2,675 lbs	8,200 lbs	12,000 lbs	#4 x 34" Gr 60	#5 x 6" Gr 60
		3,500 psi	3" x 3" x 3"	4,509 lbs	9,600 lbs			
9-ton	5.75"	3,500 psi	3" x 2" x 3"	4,400 lbs	8,700 lbs	18,000 lbs	#5 x 42" Gr 60	#6 x 6" Gr 60
		3,500 psi	4" x 2" x 2"	4,600 lbs	9,260 lbs			
12-ton	7"	4,500 psi	3" x 3" x 3"	4,700 lbs	10,900 lbs	24,000 lbs	#6 x 66" Gr 60	#7 x 6" Gr 60
	8"	4,500 psi	4" x 4" x 3"	4,400 lbs	9,200 lbs			

*Safe Working Loads based on 4:1 Safety Factor