PERFORM WITH PRECISION™

TILT-UP CONSTRUCTION SOLUTIONS
Dayton Superior provides you with support you want throughout your entire project – from floor slab to panel lifting through finishing and maintenance. Our professionals know what contractors care about on the job – because we care about them too.

**PEACE OF MIND**
- We make your life on the jobsite easier because we make it easy to work with us.
- We manufacture the strongest, safest and highest quality products available in the tilt-up market.
- We are responsive. We take the late night phone call, answer the weekend email and have technical representation on site when you need it.

**SCHEDULE**
- We know few things are as important to you as staying on schedule.
- We clearly know that reliability, predictability and availability are critical elements that have significant impacts on your project schedule.
- We empower our team, from engineering to customer service, to do all they can in order to adhere to your schedule and exceed expectations.

**SAFETY**
- We take safety seriously, from the first day on the jobsite until the last.
- We have the industry’s most knowledgeable and respected engineers developing our tilt-up solutions.
- We use extensive product prototyping and testing to ensure the quality and performance of our product solutions.
- We are dedicated to ensuring contractors and their crews return home safely each and every day.

**PRODUCTIVITY**
- We offer product training and demonstrations — on job site, in your office or ours — that will greatly improve jobsite efficiencies.
- We use and offer interoperable technologies such as our Tilt-Werks design software to reduce design and engineering conflicts and rework.
- We know unforeseen events are inevitable, so we provide a single point of contact dedicated to your product and service needs on any job, anywhere.

Making projects more predictable, with peace of mind.
SUCCESS STORY

Dayton Superior Delivers On Amazon Distribution Center

Project: Amazon Distribution Center
Location: Kent, Washington
Project Challenge: Lifting 200 concrete panels – each up to 55’ high, up to 13” thick and weighing 112 tons.

Dayton Superior’s Solutions:
Providing a full solutions package including:

T110 Lifting System
• Forged foot anchor with a 4-leg wire base and plastic void former
• Used in conjunction with T120 for taller, heavier and more complex panels in the project — minimizing labor and crane time.

B12 and B14 Braces
• All-steel, heavy-duty braces
• Quickly and easily align and brace wall panels

PEZ E-Z® Chair and PTC Tower Chair™
• Allows maximum aggregate flow and concrete consolidation
• Won’t shatter in colder weather or sag in warm climates

PSW Space Wheel™
• Made from high strength composite able to withstand deformation across a wide temperature range
• Provides correct concrete cover while allowing forms to roll past reinforcement without damaging the form face

Sure Lift™J6D
• A reactive and membrane forming, solvent-based bond breaker
• Offers a unique formulation of polymers and proprietary ingredients designed to provide a clean, easy lift of wall panels

Pentra-Hard® Densifier
• Utilizing advanced lithium technology, Pentra-Hard Densifier hardens and dustproofs new and existing concrete
• An easy to use, water-based solution, it requires no rinsing and is VOC compliant in all of North America

Once the panels are in place, workers fasten braces to the warehouse slab. Braces align and support panels during construction.
1. **T66 Tilt Bracket™** — holes-free attachment to the casting slab
2. **Dowel Basket** — ensures proper load transfer from one slab to the next
3. **T58 Double Chamfer Strip** — forms chamfers
4. **PCC Aztec® Castle Chair®** — maintains rebar elevation in reinforced concrete
5. **T69 T-Strip Sawcut Protector** — protects sawcut joints
6. **T275 Tilt-Up Anchor** — directional insert with leave-in void former
7. **V61 Victory Bear Rustication** — creates architectural profiles
8. **T6A Brace Anchor** — easily positioned and ties into the rebar mat
9. **PSC Aztec® Straddle Chair™** — straddles the lower mat of rebar, simplifying upper reinforcement mat placement
10. **Sure Lift™ J6D** — bond breaker allowing easy lifting of wall panels
11. **Sure Fil™ J52** — joint filler and crack repair material for use in industrial floors
12. **Pentra-Hard® Densifier** — advanced lithium chemistry protects and hardens new and existing concrete
13. **Cure & Seal 25% J22UV** — curing, sealing and dustproofing compound for freshly finished concrete surfaces
24 **P81 Shimpak** — facilitates precise placing and leveling of large panels

25 **Acrylic Bonding Agent J40** — latex bonding agent for interior/exterior applications

26 **Citrus Cleaner J48** — heavy duty stripper and degreaser

27 **T45 Ground Release Patch Cap** — no-grout patch for insert holes

28 **Sure Inject™ J56** - pressure injection and gravity feed crack repair in concrete

29 **1107 Advantage™ Grout** — non-shrink, non-corrosive, non-metallic cementitious grout

30 **Architectural Finish™** — single component, cement based material for vertical or overhead repair

31 **Formliners** — creates textured concrete

32 **PSBB Aztec® Strongback Slab Bolster** — provides support and proper cover for rebar

33 **P38 Corewall® Slotted Inserts** — economic way for connecting wall panels

34 **T110 Superior Lift System** — allows quick attachment to the insert and ground release after panel has been erected

35 **D410 Sleeve-Lock® Grout Sleeve** — grouted rebar coupler to butt splice reinforcing steel in panel connections

36 **T275 Tilt-Up Anchor** — directional insert used for lifting applications

37 **T6A Brace Anchor** — easily positioned and ties into the rebar mat

38 **DOW Insulation** — rigid insulation solution

39 **P24 Delta Tie** — versatile, nonconductive insulated panel connector

40 **PCC Aztec® Castle Chair®** — maintains the elevation of rebar in reinforced concrete

41 **P92FEW Forged Erection Anchor** — high-capacity edge lifting anchor

42 **T14 Tilt-Up Wall Brace** — easily aligns and braces wall panels

43 **Accubrace® Helical Ground Anchor** — economic method of eliminating deadmen and connecting braces into soil
SLABS SET THE STAGE

In tilt-up construction, the quality of the slab is doubly important to the success of the project. Not only must it have all of the qualities for flatness and finish and durability required for the eventual heavy use it will endure well into the future, it also must achieve all the practical and aesthetic requirements of a casting bed for the wall panels that will be cast upon it.

Dayton Superior has a variety of chemical and accessory products to meet your project requirements and support your construction process! From keyway forms to steel dowel assemblies for load transfer... to chemicals to cure and seal and dustproof and densify the slab for long-term durability... to panel brackets and rustication strips and bond breakers to achieve the required dimensions and designs for the panels cast on it... Dayton Superior provides the solutions that set the stage for success.

IT STARTS WITH A PLAN

From eliminating challenges early on to nurturing a collaborative environment for contractors and designers, Tilt-Werks® is a proven solution for the tilt-up industry. A BIM system that collaborates with engineering design software, Tilt-Werks provides an enhanced level of efficiency for design. This allows the different sections of the process (tilt-up panels, steel framing etc) to do what they do best. Each section can gain benefits from the other, leading to the development of a more complete BIM system and continuing the core idea behind Tilt-Werks - a centralized location for ALL the building data.

“We consider Tilt-Werks a valuable asset and design tool. Rest assured, we will be using the Tilt-Werks system as a standard part of our services moving forward.”

Tom Harrison, Corporate Operations Manager, Construction Materials
“After first using Dayton Superior’s Delta Tie ten years ago, it remains the only insulated panel connector that my company will use. The Delta Tie provides dependability with an ease of use that saves time and money on the jobsite.”

Len Overbeek, Tilt Wall Ontario, Inc.

LIFTING INDUSTRY STANDARDS

Tilt-up concrete panels are truly the sum of all their parts, and Dayton Superior is the industry leader trusted to provide a combination of expert knowledge and quality products to the tilt-up construction contractor.

From spray-on bond breakers... to rebar splicing systems and supports... to DOW Insulation and Delta Ties for sandwich panels... to lifting anchors and hardware... to brace inserts and bracing systems to meet your load requirements... our professional expertise and quality products provides you with exactly what you need to make, move and brace your panels with reliable, productive precision.

COMPLETE THE PICTURE

The job isn’t done when the wall panels are all placed. There are holes to fill, edges to grout, surfaces to clean and smooth before the keys are handed to the owner. Once again, Dayton Superior has a wide variety of chemical products to help you get the job done.