

The Ecospan® Floor System is fabricated at **Vulcraft/Verco** plants throughout the **United States.**

Save on shipping costs for your next project by contacting us today.



- Non-combustible steel product
- 48" to 72" joist spacing, longer spans
- HVAC and electrical friendly
- Simple and economical to install
- Installation tool provided
- UL-listed fire ratings – 1, 2 and 3 hours
- Excellent sound ratings – STC and IIC
- Manufactured from recycled steel





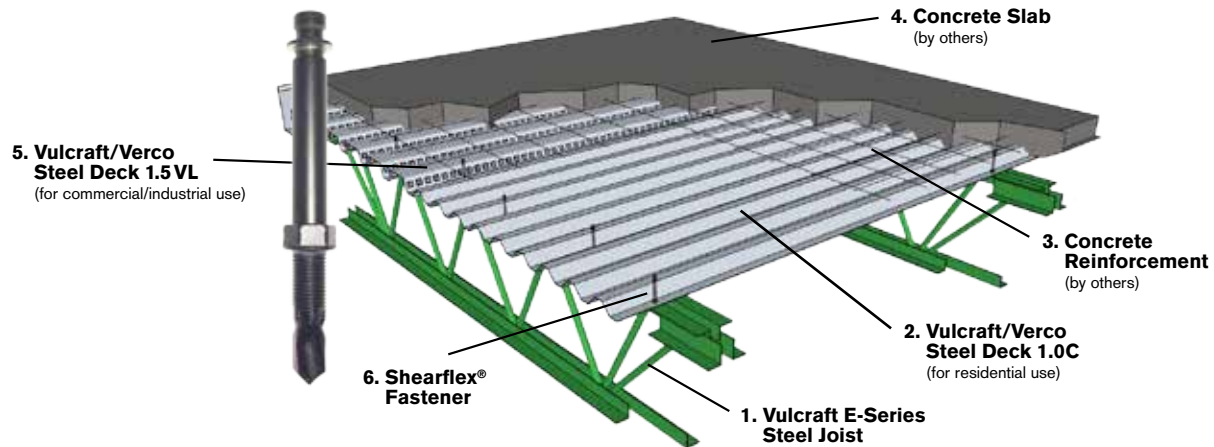
It's not only **competitively priced** and of the **highest quality**, it also offers even more advantages.

The Ecospan® Composite Floor System is the ideal solution for mezzanines. It's not only competitively priced and of the highest quality, it also offers even more advantages. A safe, innovative choice, Ecospan helps reduce building costs while offering the benefits of sustainable building materials that can qualify for LEED® Certification through the U.S. Green Building Council.

Ecospan provides open web structural components with a lighter weight composite design that's ideal for elevated floor construction in commercial/industrial use, including metal buildings.

Safe. Strong. Versatile. Green.

The Ecospan Composite Floor System uses a unique configuration of components with high strength-to-weight ratios that allow for longer spans, shallow floor depths, greater rigidity and enhanced performance.



Ecospan offers many clear advantages over conventional construction techniques, including:

1. Vulcraft Steel Joists

High strength-to-weight ratio allows for greater spans and spacing with lighter members than traditional joists. Ranging from 10" to 40" deep and a maximum length of 60', Ecospan joists are typically spaced at 4' to 6' on center, allowing HVAC and electrical design and installation flexibility.

2. Vulcraft/Verco Steel Decking

Multispan sheets of steel decking reduce weight and improve job site safety.

3. Shearflex® Fastener

With an average installation time of 5 to 10 seconds per screw, these patented self-drilling, self-tapping connectors are easy and inexpensive to use. Workers install the 2 1/2" or 3" long Shearflex fasteners in a uniform pattern using a Vulcraft-provided Shearset® tool.

4. Slab Reinforcement

Provided by the General Contractor, the slab reinforcement typically consists of 6x6 welded steel wire or fiber mesh.

5. Concrete Slab (by others)

Slab thickness is typically 2 1/2" (3 1/2" total depth), normal weight concrete having a minimum 28-day ultimate compressive strength of 3,000 psi.

Ecospan provides innovative, results-driven building solutions that surpass industry standards for safety, sound and fire ratings.



Ecospan over-delivers on value while maintaining economy through ecology.

Economy: Simple, fast installation means a minimal learning curve for contractors, saving time and money. No wood, shoring or stripping is required.

Flexibility: 48" to 72" on center joists mean simpler design and layout, increasing efficiency and making the design and installation of mechanical, electrical and plumbing systems easier.

Stability: Lightweight, composite joists mean greater rigidity. Ecospan has been extensively tested for structural capacity by leading universities.


Innovation: The Ecospan System uses an exclusive, patented, screw-down Shearflex fastener, which is installed

with a uniquely designed manual tool included with each system.

Speed: The time required to install each Shearflex fastener is 5 to 10 seconds, significantly less time than other techniques.

Simplicity: Once the floor system decking is installed, concrete is ready to be poured.

Versatility: Compatible with any load-bearing wall framing system, including: structural steel, steel studs, light gauge CFS, masonry, concrete and insulated concrete forms. Composite design allows for longer span with less joist depth.

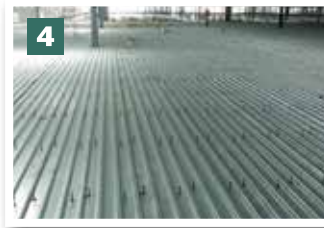
Safety: Provides a safe, stable working platform in a single step, which reduces construction liability. Non-combustible with several  fire resistance ratings for 1, 2 and 3 hours.

Noise Reduction: Ecospan received a Sound Transmission Classification Rating of 57 in acoustical tests conducted by the renowned Riverbank Acoustic Laboratory. Impact Insulation Classification tests were also impressive, with minimal sound attenuation materials required.

Availability: Joist and decking materials are standard and produced at Nucor Vulcraft/Verco plants throughout the U.S., which cuts freight costs and speeds materials to the job site.

Ecospan by the numbers

- 1 Place the joists
- 2 Install the decking
- 3 Install the Shearflex fasteners using the Shearset tool
- 4 Deck ready for reinforcing
- 5 View from below
- 6 HVAC and electrical system friendly



Ecospan Composite Floor System

The Ecospan Composite Floor System is an innovative, simple, effective and economical method of providing all steel, open web structural components for elevated floor construction. Ecospan incorporates the benefit of open web configuration, along with 48" to 72" joist spacing. This allows for maximum design and installation flexibility of HVAC and electrical systems.

Ecospan is easy to install. It is especially effective in industrial and commercial mezzanines, including in metal building and renovation projects where erection crews benefit from our self-drilling Shearflex fastener and/or bolted attachments of all components. Ecospan can be designed to require No Welding!



The Natural Choice for Mezzanines in Low-Rise Commercial, Industrial & Metal Building Construction



The Perfect Choice for **Mezzanines** in Low-Rise **Commercial & Industrial** Buildings

Ecospan® Composite Floor Systems: The Ideal Solution for Mezzanines and More



economy through
ecology®

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