



FLORIDA'S LEADING CONCRETE COMPOSITE DECK SYSTEM



Our Commitment

At SDS, we proudly design and deliver Florida's highest quality concrete composite deck systems at unmatched speed and competitive prices. With Epicore, you get the superior strength of steel and concrete, combined with cost effectiveness and rapid installation.

“SDS has a knowledgeable team who provides exceptional customer service ensuring long-lasting results. They provided expert guidance and prompt assistance during the design process, making it seamless and stress-free.” - AFFINITI ARCHITECTS

About Structural Deck Systems

Structural Deck Systems (SDS) is one of Florida's premier providers of the Epicore long-spanning composite deck system.

- Proudly veteran-owned
- Specializing in 100% American-made steel
- More than 33 years of experience in deck installation
- Scope of work includes engineered drawings, shoring, and building Epicore deck and roof systems
- Unmatched speed, quality, and value
- Exclusive, licensed dealer and installer of the Epicore composite deck and roof system, serving key markets across Florida, including the East Coast, West Coast, Central Florida, the Gulf Coast, and South Florida.



SDS SERVICES

Epicore System Expertise

ENGINEERING & DESIGN SERVICES

SDS offers comprehensive engineering support for each project. Our team provides detailed engineered shop drawings and shoring plans necessary for installation. We are committed to assisting in all design aspects, including span calculations, load assessments, constructability, and value engineering, ensuring a seamless and efficient project execution.

SHORING EQUIPMENT & INSTALLATION

SDS takes pride in owning and managing all necessary resources in-house. By handling 100% of the shoring and transportation logistics ourselves, we eliminate the need for third-party coordination, significantly reducing potential delays and ensuring adherence to your project schedule.

EPICORE INSTALLATION

SDS is the exclusive installer of the Epicore system with more than 33 years of experience. The SDS process significantly reduces installation time and enhances safety, making it a superior alternative to conventional plywood forming and precast plank systems. Notably, our panels are designed for effortless manual installation, eliminating the need for cranes or lifts and further speeding up the construction process.

Epicore MSR

Exclusive Epicore dealer in Florida, offering turnkey deck and roof solutions for diverse construction needs

Why Choose Epicore



COST-EFFECTIVE

Epicore MSR offers multiple economical solutions in its design and constructability. Epicore MSR acts as both the permanent form and positive reinforcement for the concrete.



STRENGTH & DURABILITY

Epicore MSR is designed to be a monolithic-type construction, significantly boosting the overall strength of the structure. The system is able to achieve a 2-hour FR, with its own exclusive UL fire rating (D-938) and a superior STC rating outperforming other floor systems.



SPEED & EFFICIENT INSTALLATION

The 32-inch-wide steel design is a permanent solution, eliminating the need for temporary plywood forms. It's quicker to set up than precast planks and doesn't need cranes or flatbed trailers for installation.



DECK CAPABILITIES

Epicore decks offer up to 30-foot continuous spans, with slab thicknesses ranging from 4 to 12 inches, requiring fewer structural supports. This design not only increases ceiling heights but also maximizes interior space.



DESIGN FLEXIBILITY

The system offers versatility in ceiling treatments, allowing for exposed G-90 galvanized finishes, painted undersides, corrosion inhibiting finishes, or drywall applications. This flexibility enables architects and designers to create diverse interior aesthetics while maintaining the system's structural and safety benefits.



TRUSTED FOR OVER HALF A CENTURY

The Epicore Advantage

Epicore is a leading floor and roof system in Florida, known for its affordability, strength, and rapid installation. For over 55 years, it has been the preferred choice for multi-story residential projects like custom homes, hotels, and assisted living facilities.

“SDS and their Epicore deck has been a game changer for my team and me. They provided turnkey capabilities which seamlessly integrated into our designs, enhancing efficiency and quality. Their expertise and proactive support ensured project completion.” - RAUL RAMKISSOON, TOTAL SOLUTIONS GROUP



“The ease of installation of Epicore from Structural Deck Systems is a significant advantage, streamlining the construction workflow and saving valuable time to our clients without compromising quality.” - FARID, PROJECT CLASSIC

SDS Advantages



TURNKEY

We offer comprehensive engineering support, with hands-on experience in design and installation, ensuring that every project benefits from our disciplined and precision-driven approach.



SPEED

Proposals are completed within 1 week, shop drawings take 2-3 weeks, and material can be delivered to the jobsite within 7-10 business days of ordering.



DELIVERY

Epicore is manufactured in Florida. With SDS owning all logistics, we ensure delivery is never an issue.



PROJECT MANAGEMENT

SDS's project managers and design team are the best and most experienced in the industry, ensuring a smooth, trouble-free project.



PRECONSTRUCTION DESIGN ASSISTANCE

SDS provides preconstruction services and design assistance from the conceptual stage through SDs, DDs, and final CDs, to ensure that you get a safe, efficient, and economical structure.



ERECTORS/INSTALLERS

SDS's highly-trained and experienced erectors install the Epicore system with detail and precision, to get your building topped out fast, usually ahead of schedule.



LEED®: GREEN BUILDINGS

Epicore MSR is manufactured from 100% American-made steel and automatically comes with a recycle content.



SDS Services – Epicore System Expertise

1



SDS creates detailed Epicore deck and shoring shop drawings completed by a PE from structural PDF and CAD files

2



Client approves design

3



SDS orders, fabricates, and delivers Epicore (7-10 days)

4



Formwork, bearing, and elevations are to be complete prior to Epicore installation

5



SDS crew installs deck and shoring

“The SDS team’s speed, expertise, and capabilities consistently exceeded our expectations, making them an invaluable asset and a pleasure to partner with from design to installation.”

- MIKE KALAJIAN, MK STRUCTURAL ENGINEERING

6



Additional reinforcing to be installed per Epicore shops; box outs and pipe sleeves installed

7



SDS engineer performs shoring inspection

8



Concrete is poured, block to be loaded 2-3 days after

9



Shoring stripped once concrete comes to strength (avg 21 days). If additional lifts, post shores must stay in place and will need to be leg for leg

“As a structural engineer, I prioritize quality and reliability in every project. Epicore from SDS has consistently proven to be an exceptional choice for structural decking.” - TOMMY TAVERAS

SDS at Panther National



ARCHITECT

Max Strang

Max Strang is the founder and director of the Miami-based architecture and design firm [STRANG] Design. Strang has developed the blueprints for both the Signature Estate Homes and the main buildings of Panther National Golf Club. In 2022, he and his firm earned "Firm of the Year" and "Architect of the Year" from the Miami chapter of the AIA.



Concrete Roofs Using Epicore



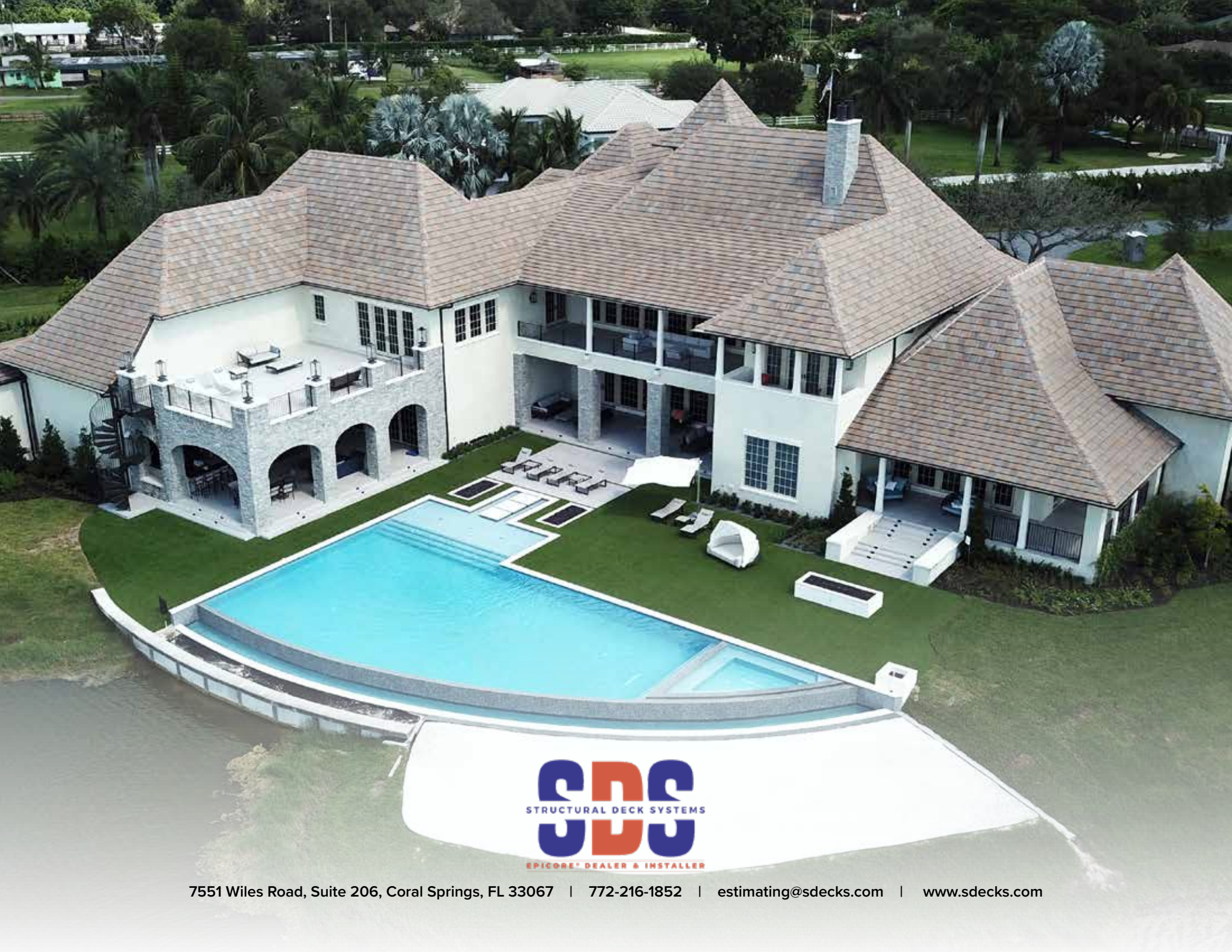
FLAT & PITCHED ROOFS

SDS offers concrete roofs using Epicore for both flat and pitched designs. The installation process is identical to the floor system, and our shop drawings account for the necessary pitch factors. Additionally, there's a significant advantage in terms of cost savings, especially when it comes to insurance, compared to traditional wood trusses.

EPICORE SLAB BEAMS

We can create the beams out of the Epicore itself, which would act as a stay-in-place form—no stripping involved.

“We have had the pleasure of working with SDS and their turnkey Epicore deck system on numerous projects. They consistently turn shops around FAST. We highly recommend SDS for top-notch construction expertise and a reliable partner.” - BADGER CONSTRUCTION



7551 Wiles Road, Suite 206, Coral Springs, FL 33067 | 772-216-1852 | estimating@sdecks.com | www.sdecks.com