

June 22, 2026



Titan America Launches Breakthrough 3D-printable Concrete Technology

Materials innovation strengthens Titan America’s position in emerging construction technologies and advances high-performance digital construction

NORFOLK, Va.--(BUSINESS WIRE)-- Titan America SA (NYSE: TTAM) has launched **xForm3D™** concrete, its breakthrough 3D-printable concrete technology designed to support the next wave of digital, automated, and high-performance construction. A critical milestone in the company’s innovation strategy, Titan America’s xForm3D printable concrete is a U.S. patented solution and directly addresses structural shifts reshaping the industry, including chronic labor constraints, the demand for faster project delivery, the need for more efficient and affordable housing solutions – including manufactured and modular housing solutions, and the urgent need for resilient and efficient building methods. The technology utilizes automated placement, significantly reducing reliance on traditional formwork while enabling greater speed, consistency, and design flexibility.

“This solution underscores how Titan America is investing in innovation that drives long-term growth,” said Bill Zarkalis, President and Chief Executive Officer of Titan America. “Our xForm3D technology builds on our core materials expertise while opening new, scalable markets in automated construction, infrastructure resilience, advanced manufacturing, and manufactured and modular housing solutions. As demand continues to grow for faster, more efficient construction, innovations like xForm3D will help expand what’s possible for the built environment.”

The xForm3D family of concrete products is designed to support applications across residential, commercial, infrastructure, and coastal environments, addressing long-term demand trends such as resilient urbanization and housing affordability. The product family includes **xForm3D Standard**, optimized for general automated construction; **xForm3D Marine**, engineered specifically for marine and underwater applications that support resilient coastal infrastructure and nature-based solutions such as artificial reefs; and **xForm3D RMX**, designed with larger aggregates sizes for ready-mix truck delivery, enabling broader constructability and scalable applications.

Together, these products provide distinct advantages across the construction value chain:

For **Builders and Contractors**, xForm3D enables faster construction cycles and improved jobsite safety through automated placement. Its rapid set and build stability supports continuous printing, helping teams deliver complex structures with greater confidence and reduced reliance on labor-intensive formwork.

For **Developers and Owners**, the technology offers greater schedule reliability and optimized material use, providing critical advantages for affordable housing, manufactured and modular construction, infrastructure renewal, and coastal protection.

For **Architects and Designers**, xForm3D unlocks new levels of creative freedom, enabling complex geometries and customized forms that are often cost-prohibitive using conventional concrete methods.

About Titan America SA

Titan America is a leading vertically integrated producer of cement and building materials in the high-growth economic mega-regions of the U.S. East Coast, with operations and leading market positions across Florida, the Mid-Atlantic, and Metro New York/New Jersey. Titan America's family of company brands includes Essex Cement, Roanoke Cement, Keystone Cement, Titan Florida, Titan Virginia Ready-Mix, S&W Ready-Mix, Powhatan Ready Mix, Titan Mid-Atlantic Aggregates, and Separation Technologies. Titan America's operations include cement plants, construction aggregates and sand mines, ready-mix concrete plants, concrete block plants, fly ash production facilities, marine import and rail terminals, and distribution hubs.

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Source: Titan America SA