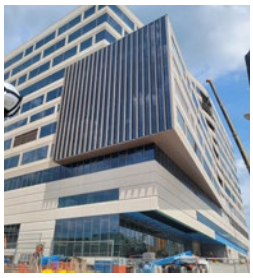
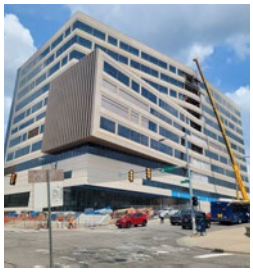
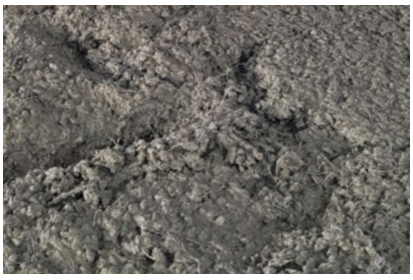
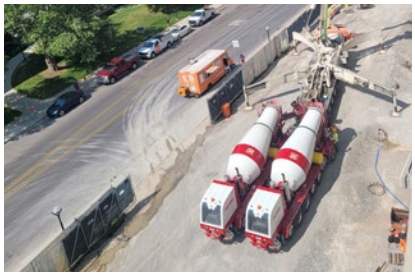
PROJECT PROFILE

MICHIGAN MEDICINE CLINICAL INPATIENT TOWER

EUCLID CHEMICAL

PROJECT DATA

Location – Ann Arbor, MI

Application – Fiber Reinforcement

Architect/Engineer – HOK (Hellmuth Obata & Kassabaum)

Contractor – Commercial Contracting

Concrete Producer – Doan Concrete

Total Volume – 18,000 yd^3 (13,800 m^3)

PRODUCTS FEATURED

TUF-STRAND™ SF
Macro Synthetic Fiber

SCOPE OF PROJECT

- 12 stories of fiber reinforced concrete decks
- Sustainability initiative

PROJECT SUMMARY

The Clinical Inpatient Tower (CIT) is a new 12-story building being added to the University of Michigan's Michigan Medicine campus in Ann Arbor, MI. This 690,000 ft^2 (64,100 m^2) hospital is a crucial addition to the existing hospital facilities which usually operate at 90% capacity. The CIT will have 264 single-occupancy patient rooms and 23 surgical and interventional radiology suites, with the entire job costing $920 million US dollars. This facility is expected to achieve Leadership in Energy and Environmental Design (LEED) Gold certification, exceeding the State of Michigan building code energy efficiency standards by 20%.

TUF-STRAND SF macrofibers were used at 4.5 lb/yd in 18,000 yd^3 (13,800 m^3) for the floors of the hospital, with the decks ranging from 6-14 in (15-36 cm) thick. TUF-STRAND SF is a patented polypropylene and polyethylene synthetic macrofiber that is UL certified for composite steel deck construction and is used for replacement of limited structural steel in various applications. Furthermore, TUF-STRAND SF is a highly sustainable solution compared to steel reinforcement due to its longevity, cost efficiency, jobsite safety, and reduced carbon footprint.