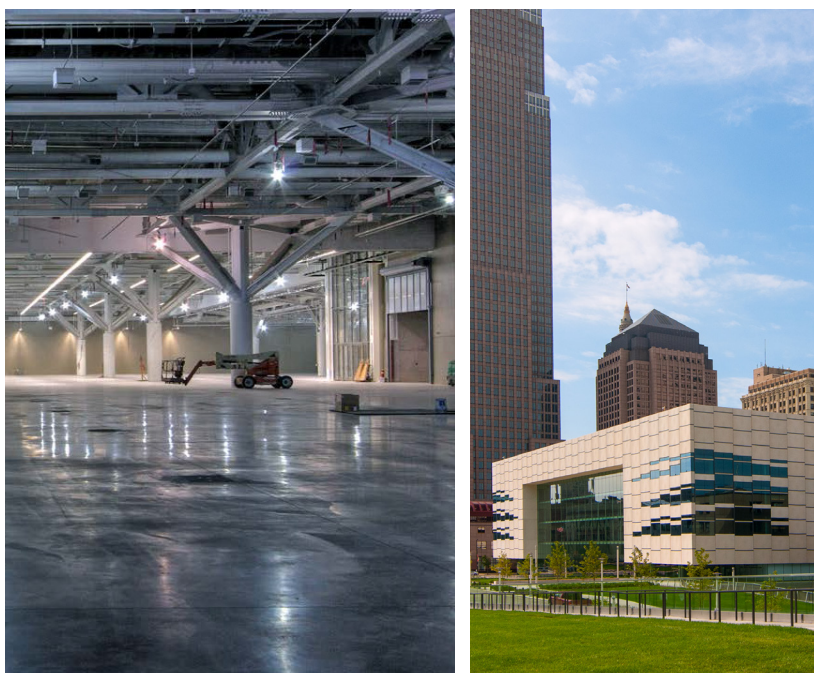




EUCLID CHEMICAL

PROJECT PROFILE

GLOBAL CENTER FOR HEALTH INNOVATION & CLEVELAND CONVENTION CENTER



PROJECT DATA

Location – Cleveland, OH
Engineer – Turner / URS
Contractor – Donley's Inc.
Material Supplier – Tech Ready-Mix
Total Area – 45,000 yd³

PRODUCTS FEATURED

TUF-STRAND™ SF
 Macro synthetic fiber
EUCO® QWIKJOINT™ 200
 Polyurea floor joint filler
EUCO® DIAMOND HARD™
 Liquid densifier and sealer
SURFLEX™ NATURAL
 Non-metallic Floor Hardener

SCOPE OF PROJECT

- Replace conventional reinforcement in exposed concrete floor
- Provide cost savings through material and construction consultation to owner

PROJECT SUMMARY

Completed in 2013, the Global Center for Health Innovation and Convention Center, located in Cleveland, Ohio is a 1 million ft² facility comprised of medical showrooms, ballrooms, meeting spaces and convention center floor with a significant portion of the facility located beneath ground level. More than 45,000 yd³ (34,000 m³) of concrete was poured under tight performance requirements with the concrete contractor, Donley's Inc. of Cleveland, taking the principal lead in scheduling, design assistance and value added engineering material procurement.

PROJECT DETAILS

The Euclid Chemical Company provided assistance to both Tech Ready-Mix and the concrete contractor, Donley's Inc., through early consultation on the project to convert the existing conventional #4 bar @ 12" c.c. steel reinforcement to **TUF-STRAND SF** macro synthetic fibers at a dosage rate of 4.3 lbs/yd³ (2.5 kg/m³). This substitution saved approximately 50 days on the principal construction schedule due to faster pour times, improved safety and less required labor on site. The original specifications also called for the application of a metallic based shake-on hardener which was changed to Euclid's **Surflex Natural** quartz aggregate shake. For the crack control joints, **EUCO QWIKjoint UVR** was utilized on the project as a substitution to the specified two-part semi-rigid epoxy joint filler. To complete the final appearance of the convention center floor, **EUCO Diamond Hard** was applied throughout the facility with the final exposed concrete floor visible to passing traffic.

A portion of the total savings on the project to the owner, as passed through by the contractor, by incorporating Euclid Chemical's fibers, joint fillers, hardeners and densifiers exceeded \$96,000 plus savings in overall construction schedules. The goal for the Global Center for Health Innovation and Convention Center's management group is to capitalize on Cleveland's reputation as a world class medical center by bringing medical shows and conventions to the city.