



EUCLID CHEMICAL

PROJECT SPOTLIGHT

MICHIGAN STATE UNIVERSITY BROAD ART MUSEUM



PROJECT DATA

Location – East Lansing, MI

Application – Self-Consolidating Concrete

Contractor – Granger Inc.

Concrete Producer – Consumer's Concrete Corporation

Total Area – 46,000 ft²

PRODUCTS FEATURED

Plastol 6400

Superplasticizer – High Range Water Reducer

Euco Diamond Hard

Liquid Densifier and Sealer

SCOPE OF PROJECT

- Stringent concrete standards and surface requirements
- Three levels of angled walls, some tilted at 70-75 degree angled walls with virtually no parallel or perpendicular walls
- Extensive experimental test mixes and pours that resulted in a much-analyzed mix optimized for final placement

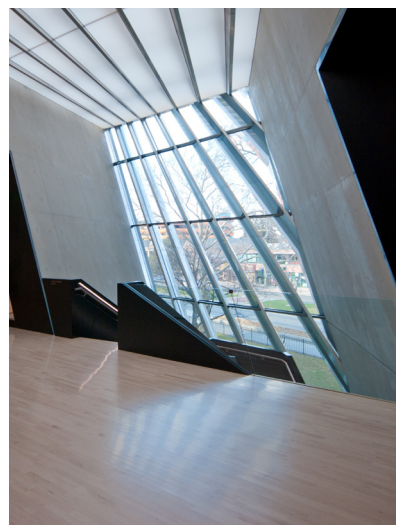
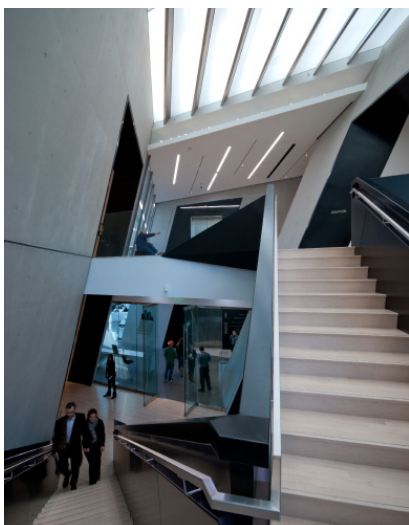
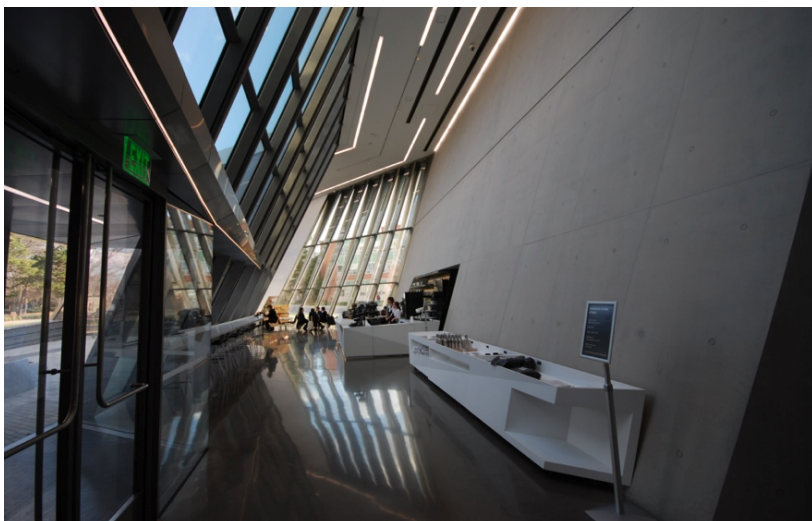
PROJECT SUMMARY

The iconic Broad Museum, one of the few award-winning, self-consolidating architectural structures in the country, features interior concrete groundbreaking in both form and material composition.

Primary to the Broad Museum project was to create an almost perfect canvas of concrete with smooth and unmarred surface walls (no bug holes or voids bigger than the tip of a pen).

After months of test mixes and pours, Euclid Chemical's **Plastol 6400** superplasticizer admixture was selected because of its superior performance characteristics. Not only did Plastol 6400 provide a solution for a beautiful, unmarred structure, but it also out-performed the required strength of 5,000psi with an actual strength of 10,000psi.

Euco Diamond Hard liquid densifier and sealer was used to provide a decorative, durable concrete floor.



Photos provided by Integrated Design Solutions - Troy, MI (Kevin Marshall)

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