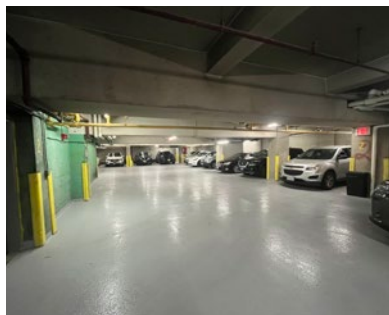




EUCLID CHEMICAL

PROJECT PROFILE

NYC PARKING GARAGE REHABILITATION



PROJECT DATA

Location – New York, New York

Application – Repair

Structural Engineer – Gilsanz, Murray Steficek LLP

Concrete Restoration Contractor – B & A Construction

PRODUCTS FEATURED

DURALPREP AC

Bonding Agent and Anti-Corrosion Coating for Reinforcement

EUCOREPAIR V100

Single-Component, Low Shrinkage, Vertical/Overhead Repair Mortar

VERSASPEED LS100

Rapid Hardening Horizontal Repair Mortar with Extended Working Time

SCOPE OF PROJECT

Restoration of building's sub-grade parking garages

PROJECT SUMMARY

Constructed in the late 1960s, 1090 Amsterdam Avenue is a 17-story, mixed-use, cast-in-place concrete building that houses Mount Sinai Hospital and other businesses. The structure includes two sub-grade parking levels, ground-floor retail, and medical offices on the upper floors. After signs of concrete deterioration were discovered in the garage, and to comply with Local Law 126, the building owner proactively retained a structural engineer to assess existing conditions and temporarily restricted parking in the affected areas.

The inspection determined that exposure to road salts and water intrusion had caused cracking and delamination in several sections of the garage. Once proper shoring was installed, a range of Euclid products was used to complete the repairs. DuralPrep AC and EucoRepair V100 were applied for overhead and vertical repairs to columns, walls, and slabs, while DuralPrep AC and VersaSpeed LS100 were used for top-of-slab restoration. Construction was completed in Spring 2025.