



EUCLID CHEMICAL

PROJECT PROFILE

PROLOGIS – PULASKI



PROJECT DATA

Location – 219 Route 1 & 9, Jersey City, New Jersey

Architect/Engineer – Architect - KSS Architects, LLP
Engineer – Harrison – Hamnett, P.C.

Contractor – RC Anderson, LLC
Concrete Contractor – Thomas Concrete Flooring, Inc.

Concrete Producer – Eastern Concrete Materials, Inc.

Total Area – 878,263 ft² (81,593 m²) of 7 in (18 cm) thick fiber-reinforced concrete included a 853,790 ft² (79,319 m²) slab and an 24,473 ft² (2,273 m²) freezer slab.

PRODUCTS FEATURED

TUF-STRAND SF

Macro synthetic fiber

EUCO QWIKJOINT 200

Polyurea floor joint filler

DIAMOND HARD

Liquid densifier and sealer

SCOPE OF PROJECT

- Crack-free slab
- Replace wire mesh with 3lb/yd³ (1.8 kg/m³) of **TUF-STRAND SF**
- **QWIKJOINT 200** in approximately 102,000 linear ft (31,089 m) of joints.

PROJECT SUMMARY

This building was constructed over an abandoned landfill using controlled-modulus-column ground modifications and a stone, load-transfer platform. Because of the underlying landfill, a vapor mitigation system composed of piping and an industrial vapor barrier was required beneath the building slab to allow landfill gases to vent. The exterior wall construction used precast bearing walls with an interior steel frame. Because of the required ground improvements and the desire to extend joint spacing, the concrete was designed using **TUF STRAND SF** macro synthetic fibers at a dosage rate of 3 lb/yd³ (1.8 kg/m³) and control joints were strategically reinforced with load baskets.

Approximately 373,500 ft² (34,699 m²) of the building was leased to a food distributor with a large portion of the space conditioned as a cooler with 24,473 ft² (2,273 m²) of freezer space. All slab construction and control joints in the entire facility were protected from hard-wheel forklift traffic by using **EUCO QWIKJOINT 200** polyurea joint filler.