



ChemMasters® Restores Parking Garage Structures with ChemPatch™ Form & Pour

Parking garages are exposed to the same service conditions that deteriorate bridge decks throughout the northern hemisphere. Repeated freeze/thaw cycles spall concrete surfaces, allowing water and deicing chemicals to reach structural rebar which corrodes, expands, and delaminates large areas of concrete and reduces structural integrity.

ChemPatch Form & Pour was an essential part of the structural repair strategy due to its reliable strengths and performance. Its pumpability and flow made for easy application while fully filling all voids and contours, even when the forms have complex geometries. And because ChemPatch Form & Pour isn't "sticky", it strips clean from the forms without the



need for additional cosmetic improvements.

Fast, efficient, reliable product performance with outstanding technical and field support makes ChemPatch Form & Pour the ideal repair mortar for parking garage repair and restoration.



"I really appreciated the outstanding field support, and the ChemPatch Form & Pour performance is consistent with our needs and expectations."

Mike Coffee - *Field Supervisor, Nathan Contracting*

Project Description: Repair of badly deteriorated load bearing columns, ceilings, overhead beams and stairways with ChemMasters Form & Pour mortar in a form and pump application. Structural repairs were made in a variety of vertical, overhead and complex geometries. Forms stripped clean without the need for rubbing or additional cosmetic improvements.

Jobsite: Green Parking Garage
Cuyahoga Falls, OH

Contractor: Nathan Contracting
Allison Park, PA





Case Study
continued



Stairway - Before



Stairway - After



Column - Before



Column - After



Ceiling - Before



Ceiling - After

ChemPatch™ Form & Pour

ChemPatch Form & Pour is a single component cementitious repair mortar with added fibers, air entrainment and migrating corrosion inhibitor. When properly mixed, ChemPatch Form & Pour achieves consistently high strengths with outstanding placement characteristics.

Uses

ChemPatch Form & Pour is a cementitious, pumpable repair mortar designed to make vertical and overhead structural repairs to columns, beams, spans, barriers, stairways, etc. It offers extended set times for large placements and may be stripped from forms within 24 hours under most conditions. May be extended up to 60% with 3/8" pea gravel for economical placement on pours deeper than 1.5 inches (4cm)

Advantages

- Contains Corrosion Inhibitor (CI) for superior protection of structural steel and rebar
- May be stripped from forms within 24 hours
- Superior flow and pumpability
- Repairs from 0.50 inch (1.3 cm) to full depth
- Air entrainment for exceptional durability against freeze-thaw cycles and deicing chemicals
- May be extended for economical placement at depths greater than 1.5 inches (4 cm)



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