

Case Study



PROJECT INFORMATION

Project name: Mid City Bandra Kurla Complex Project

Client: Mid City Infra-orbital Enterprises

Consultant: M/s Raja Adheri & Associates

Contractor: Creative Coatings/Mr. Praful Wagh

Location: Mumbai, India

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Concrete Repair
Flooring Systems
Protective Coatings
Sealants & Joints
Tile Adhesives & Grouts





PROJECT REQUIREMENT

Task at Hand

One of the projects at Bandra Kurla Complex in Mumbai which houses many commercial buildings was suffering serious leakages. Normal conventional waterproofing system and other options didn't prove efficient for this high pressure leaking water. Two component polyurethane (PUR) resin injection was suggested for such a severe case using **DCP Packers**.

Due to the wet conditions and to avoid high costs most water leakages were controlled with cement grouting. However in cases of very high water pressure, the PUR water stopping foam **Quickmast 110** was used immediately before the PUR resin injection.

After containing the water temporarily in the structural cracks of the complex's basement, starting in the highest resistance areas of the crack, the two component polyurethane resin system **Quickmast 120** was injected under high pressures for the most ideal solution for permanent sealing of active leakages.

Area Covered

Approximately 450 linear meters of water leakage

DCP SOLUTION

DCP Packers were arranged in a calculated fashion and drilled at 45 degree angles in a zigzag fashion along the crack where the injection occurs.

A high pressure foot pump was used to inject the low viscous PUR resin, **Quickmast 120**, which creates a flexible film that permanently blocks all active leakages.

Products and Quantities

Quickmast 120 – 2,032 kg

DCP Packers – 200 units

Supply Period

April 2012 to December 2012

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