



# CASE STUDY

## Basement Waterproofing for DEEPAK LALCHANDANI JI

PROJECT LOCATION : NEAR ASHIMA MALL, BHOPAL

DATE : 19-02-2025

### Overview

NeerKavach was entrusted with the critical task of basement waterproofing for Mr. Deepak Lalchandani's property near Aashima Mall. Our comprehensive solution involved the application of Black Highly Elastomeric Coatings and Kota Stone installation to provide superior protection against water ingress, enhance structural durability, and ensure long-term performance.

### Solution Implemented

Our waterproofing approach was executed in a structured manner to deliver an effective and lasting solution.

#### 1. Basement Base Preparation

- Thorough surface cleaning to remove dust and debris.
- Application of Black Highly Elastomeric Coating to create a waterproof barrier.
- Kota Stone installation to reinforce and protect the basement raft.
- Final PCC application to strengthen the foundation.

#### 2. Surface Preparation

- Cleaning and leveling of the basement surface to create a smooth base.
- Use of high-quality adhesives and fillers to fill existing cracks.

### Challenges

- Persistent moisture and dampness in the basement due to groundwater seepage.
- Need for a high-strength waterproofing system capable of withstanding environmental conditions.
- Ensuring an aesthetically pleasing and durable finish with Kota Stone laying.



### 3. Black Highly Elastomeric Waterproofing Coating

- **Double Coating Application** : Used Roof Guard Black, a cold-applied liquid waterproofing membrane that is resistant to oxidation, UV rays, and environmental damage.
- **Expansion Joint Repair** : Sealed all expansion joints using premium-grade polysulfide material from Choksey Chemicals for enhanced flexibility and durability.
- **Protective Coating** : Additional repair using cement, adhesives, and waterproofing chemicals for long-lasting protection.

### 4. Base Layering with UV-Resistant Product

- Preparation of cement and sand mortar mixed with waterproofing chemicals.
- Even application of the mortar mix over the prepared surface to improve water resistance.

### 5. Kota Stone Installation

- Selection of premium-quality Kota Stone for durability and aesthetics.
- Careful placement and alignment using a spirit level for accuracy.
- Filling joints with a cement-sand-waterproofing chemical mixture for strong adhesion.



### 6. Final Cleaning & Quality Check

- Removal of excess grout and cleaning of the stone surfaces for a polished look.
- Surface washing with mild detergent to remove any remaining debris.
- Water testing to ensure complete waterproofing effectiveness.

## Basement Outer Wall Waterproofing

- Application of Black Highly Elastomeric Coating before Kota Stone installation for superior moisture resistance
- The waterproofing layer was applied post-stone installation for maximum effectiveness on exterior walls.

## Results & Client Satisfaction

After project completion, thorough water testing confirmed that the basement was completely waterproofed, eliminating previous seepage issues. Mr. Deepak Lalchandani expressed satisfaction with the seamless execution, premium materials used, and the long-term durability of the solution.

## Why Choose Neer Kavach?

- Expertise in high-performance waterproofing systems.
- Use of industry-leading materials from Alfa Chemicals and Choksey Chemicals.
- Cost-effective solutions tailored for long-term durability.
- Direct supervision by experienced professionals ensuring quality execution.

### GET IN TOUCH

For professional waterproofing solutions tailored to your needs, contact Neer Kavach today!



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