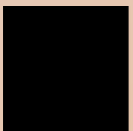


SMART RETROFITTING SYSTEM

Stabilize | Laminate | Protect



THE PROBLEM WITH CONVENTIONAL REPAIR



Buildings deteriorate due to:

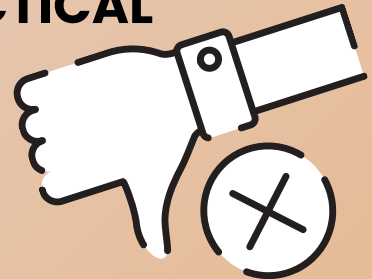
- Weak plaster (poor mix & curing)
- Leaching and efflorescence
- Water ingress through cracks
- Chloride formation → steel corrosion
- RCC debonding and spalling



THE CONVENTIONAL OPTION — NOT PRACTICAL

Remove & Re-Plaster

- High cost
- Time-consuming
- Major disturbance (dust, noise, disruption)
- Internal wetting → fungus, termites
- No guarantee of long-term performance



Warning

Demolition-based repair is inefficient and risky.

OUR APPROACH

RETAIN | REINFORCE | LAMINATE

“Use the existing plaster as a functional layer - not waste.”

STEP 1: STRUCTURAL & SURFACE ASSESSMENT

- Identify cracks, hollow areas
- Detect RCC damage
- Trace moisture ingress

STEP 2: CORROSION CONTROL (NO RUST)

- Applied on exposed reinforcement
- Stops further corrosion
- Prevents expansion-induced cracking

STEP 3: RCC REPAIR WITH NO SEEP 1 SYSTEM

Engineered Repair Mix

- Applied on exposed reinforcement
- Stops further corrosion
- Prevents expansion-induced cracking

Function

- Creates strong adhesion with substrate
- Restores structural continuity
- Prevents future debonding



OUR APPROACH

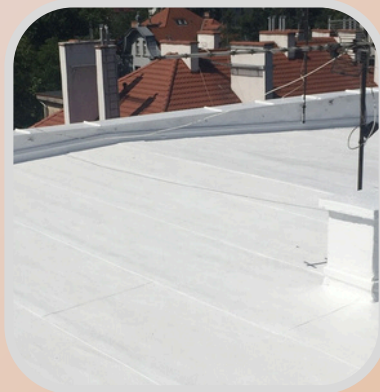
RETAIN | REINFORCE | LAMINATE

“Use the existing plaster as a functional layer - not waste.”

STEP 4: TERRACE WATERPROOFING SYSTEM (NOSeep-1 + NOSeep-2)

Composite Waterproofing System

A combination of **NOSeep-1** and **NOSeep-2** creates a high-performance **elastomeric membrane**.



How It Works

- Forms a continuous, seamless waterproof layer
- Penetrates and fills micro-voids
- Bonds strongly with substrate

Key Properties

- Elastomeric (expands & contracts with structure)
- Crack-bridging capability
- Hydrophobic (repels water)
- Fills all voids and capillaries
- Handles thermal and structural movement



Stops water ingress – the root cause of all deterioration.

OUR APPROACH

RETAIN | REINFORCE | LAMINATE

“Use the existing plaster as a functional layer – not waste.”

STEP 5: ERP LAMINATION SYSTEM — THE CORE SOLUTION

WHAT DOES ERP DO?

1. Converts Existing Surface into a Composite System

- Existing plaster is retained as filler material
- ERP overlays and integrates the entire surface

No demolition required.

2. Reinforced Lamination with 45 GSM Nylon Mesh

- Mesh is embedded within ERP layers
- Creates a reinforced composite film

Enhances strength, flexibility, and crack resistance.

3. Forms a Continuous Protective Film

ERP creates a monolithic skin over the building:

- Seamless
- Crack-bridging
- Fully bonded



PROPERTIES OF ERP FILM

- | | |
|------------------------------|--|
| Elastomeric | - Expands and contracts with building movement |
| Hydrophobic | - Repels water and prevents ingress |
| Indentation Resistant | - Strong and durable surface |
| UV Resistant | - Can be left exposed without degradation |
| Crack Bridging | - Handles existing and future hairline cracks |

WHY THIS SYSTEM WORKS ???

Aspect	Conventional Method	ERP Retrofitting
Approach	Demolition	Stabilization
Plaster	Removed	Used as filler
Crack Control	Temporary	Long-term
Waterproofing	Partial	Integrated
Durability	Low	High

FINAL OUTCOME

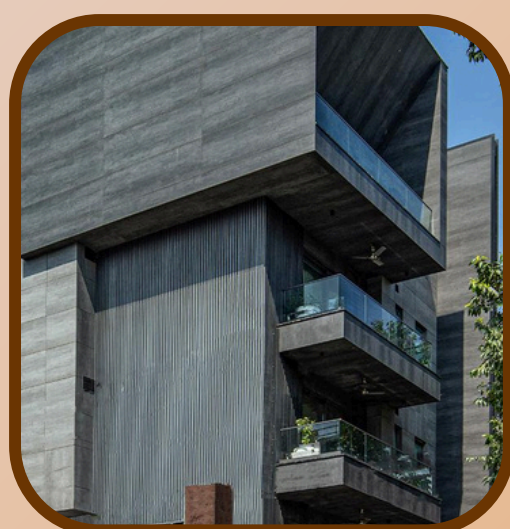
- No hacking or demolition
- No internal damage
- Arrested corrosion
- Waterproofed structure
- Laminated, crack-free surface
- Extended building life

Don't replace the surface.

Re-engineer it into a composite system.



NOBS





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