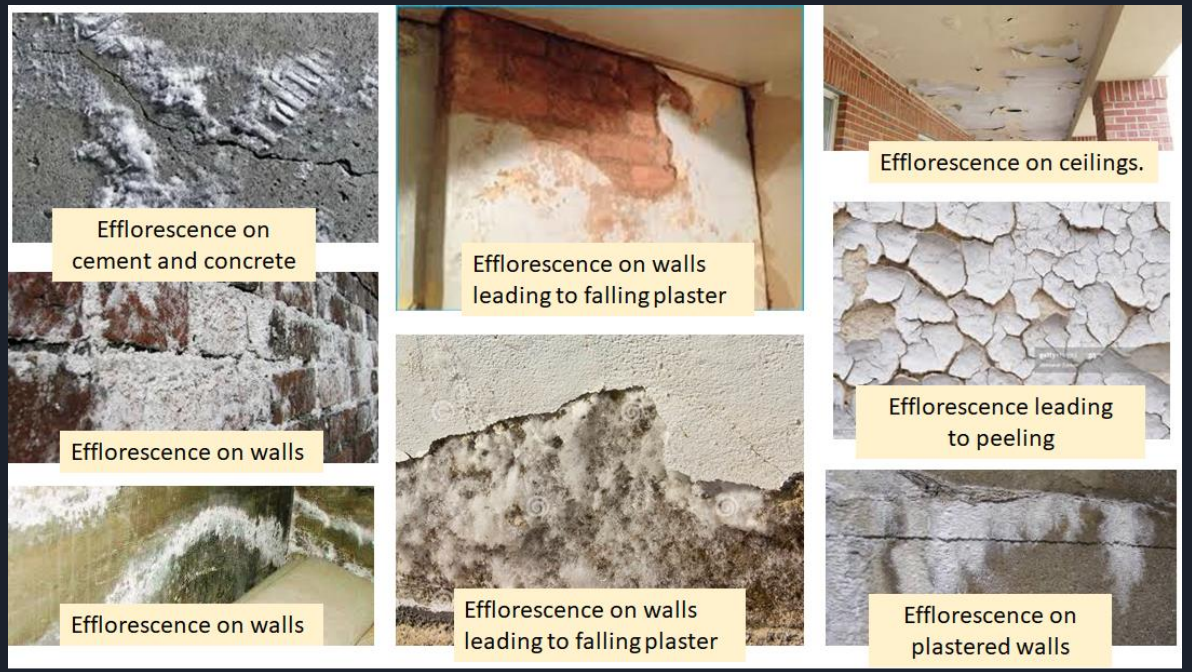
Property Damage Caused By Salts

The Problem & The Solution

THE SYMPTOMS



Efflorescence is characterized by deposits of salts left behind by an evaporating solution on masonry surfaces.

It commonly appears on plastered walls, ceilings, concrete, cement plastering, and painted walls.

WHY AND HOW DOES IT OCCUR?

Efflorescence occurs when dissolved salts in construction materials such as cement, sand, and water migrate to the surface through leaching.

In the subsequent stage, water evaporates into the atmosphere, leaving behind a powdery layer of crystalline salts on the surface.

Causes:

1. **Cement:** Salts present in cement are often due to breakdown and aging processes.
2. **Sand:** Inferior quality sand containing salts contributes significantly. Although river sand is commonly used, excessive quarrying can reduce its quality. Additionally, the use of seashore sand, instead of sand from rivers or lakes, introduces higher salt content.
3. **Water:** Water used for curing can be impure, containing dissolved salts. Saline water is particularly problematic, introducing additional salts into the construction materials.

WHY AND HOW DOES IT OCCUR?

Process:

- Initially, the formation of a salt layer on the surface may go unnoticed.
- However, repeated cycles of evaporation and leaching result in a steady accumulation of salts.
- Over time, this build-up becomes visibly significant and problematic.
- In some instances, the presence of efflorescence can promote fungal growth, creating unhygienic conditions.

Understanding and addressing the sources of salts in construction materials is crucial to prevent efflorescence and maintain the integrity and appearance of buildings.

THE PROBLEM

- **Structural Damage:**
  - *Damaged walls and ceiling surfaces, both interior and exterior.*
  - *Degradation of cement and mortar substrates, leading to cavities and, in severe cases, structural damage.*
- **Recurring Issues:**
  - *Without proper treatment of the symptoms, causes, and environmental factors, the problem is guaranteed to recur.*
- **Cost Implications:**
  - *Recurrence results in additional costs for materials, manpower, and work hours.*
  - *Increased administrative expenses and negative impacts on public relations, goodwill, customer satisfaction, and future contracts.*

Our Solution: We have the solution to effectively address and prevent this problem, ensuring long-term structural integrity and cost savings:

OUR PERMANENT SOLUTION

Our 3 step program

Step 1: Neutralize Salt Deposits

- *Effectively remove and neutralize existing salt deposits from surfaces.*

Step 2: Stabilize Minerals

- *Stabilize the minerals responsible for the formation of salt deposits to prevent further leaching.*

Step 3: Apply Membrane Matrix

- *Apply a protective membrane matrix on the surface to prevent future reactions and ensure long-term protection.*

STANDARD OPERATING PROCEDURE (SOP)

Step 1: Chemical Neutralizer

- *Preparation:* *Mechanically remove flaked surfaces and loose debris.*
- *Application:* *Spray the neutralizer onto the damaged area.*
- *Drying:* *Allow the area to dry completely before proceeding to the next step.*

Step 2: Substrate Stabilizer

- *Application:* *Spray or brush the stabilizer onto the treated area in multiple coats until the surface is well saturated.*
- *Drying:* *Ensure the surface is completely dry before moving to the next step.*

Step 3: Membrane Matrix

- *Application:* *Apply the membrane matrix to the stabilized area in two coats using a brush, roller, or sprayer.*
- *Drying:* *Allow the area to dry thoroughly before performing any subsequent repairs (e.g., concrete work, plastering, painting).*

BEFORE AND AFTER TREATMENT

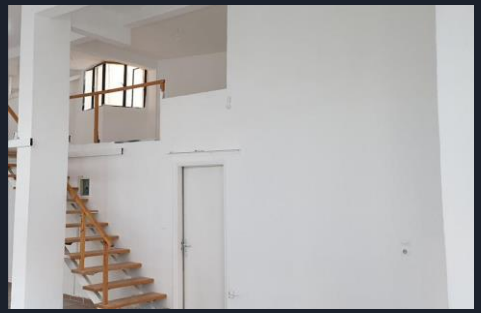
OUR SOP IN PICTURES

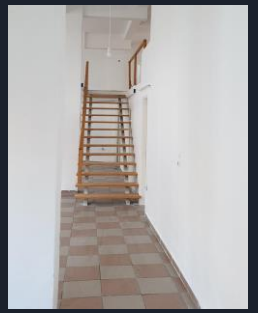
Step 1 Neutralization :

Step 3 Protection :

Step 2 Stabilization :

Results after repairs:





OUR SOP IN VIDEO

SHORT DEMO VIDEO:

Mold and Salt Deposit Treatment Demo.mov

WHAT WE OFFER

We provide a comprehensive and permanent solution to the problem of salt damage, available worldwide. Our approach ensures a significant return on investment (ROI) for you and your affiliate companies.

Our offerings include:

- *The complete 3-step program with all necessary chemicals.*
- *Online on-demand training videos, featuring detailed application instructions and demonstrations.*

Contact Us Today

- ***Bas Schmit: +31 619 760 531 (incl. WhatsApp)***
- ***Bela Viczian: +30 698 302 1674 (incl. WhatsApp)***