



Salt Stabilizer & Efflorescence Conditioner 1

Silicate-Based Salt Neutralizing & Surface Conditioning Treatment

Product Description:

Hydrobloc Salt Stabilizer & Efflorescence Conditioner is a water-based, penetrating silicate treatment designed to stabilize soluble salts, reduce the recurrence of efflorescence, and densify the pore structure of masonry and cementitious substrates. It utilizes advanced chelation and reactive silicate chemistry to neutralize salt migration while maintaining water vapor permeability. The product prepares and conditions surfaces for long-term protection and improved compatibility with subsequent waterproofing coatings.

Key Features & Benefits:

- Significantly reduces recurrence of efflorescence
- Deep penetration into porous masonry and concrete
- Reacts with free lime to reduce porosity and improve surface hardness
- Enhances substrate cohesion and durability
- Maintains water vapour permeability (breathable)
- Low VOC, water-based, non-film forming
- Excellent compatibility with cementitious waterproofing systems and crystalline coatings
- Improves long-term performance of masonry surfaces

Areas Of Application:

- Masonry walls, red clay bricks, and mortar joints
- Concrete and cementitious plasters
- Salt-contaminated substrates
- Restoration of historic and modern masonry
- Pretreatment before application of crystalline or cementitious waterproofing coatings
- Basements, retaining walls, and other moisture-exposed structures

Surface Preparation:

- Remove all loose dirt, dust, laitance, and weakly bonded material
- Mechanically remove heavy salt deposits where present
- Remove any existing coatings, paints, or sealers
- Clean the surface thoroughly using a suitable efflorescence remover
- Rinse well with clean water and allow the substrate to reach Saturated Surface Dry (SSD) condition before application
- Surface must be sound, absorbent, and free from contaminants



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Mixing Instructions:

Product is supplied ready-to-use. Do not dilute unless advised by technical support. Stir gently before use to ensure uniformity.

Application Guidelines:

- Apply by brush, roller, or low-pressure spray
- Apply uniformly until the surface is fully saturated (avoid ponding)
- Allow the product to penetrate and react for 6–24 hours depending on substrate porosity and ambient conditions
- Do not rinse after application
- Allow the surface to dry thoroughly (typically 24–48 hours) before applying subsequent coatings
- One coat is generally sufficient; a second coat may be applied on highly absorbent surfaces while still damp (wet-on-wet)
- Application Temperature: +5°C to +40°C.

Coverage/ Consumption:

Substrate Type	Consumption Rate
Dense masonry	0.15 – 0.25 kg/m ²
Porous brick / mortar	0.25 – 0.40 kg/m ²
Highly absorbent substrates	0.40 – 0.60 kg/m ²

Curing & Protection:

- No special curing required
- Protect the treated surface from rain and direct sunlight for the first 24 hours
- Allow full drying (24–48 hours) before overcoating with waterproofing systems or other coatings
- Do not subject the surface to water pressure until the full system (including topcoat) is applied and cured

Packaging:

Available in 6 kg, 10 kg and 25 kg containers.

Storage & Shelf life:

Good for up to 12 months in unopened original packaging. Store in cool, dry conditions protected from frost and direct sunlight



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Health & Safety:

Use appropriate personal protective equipment (PPE) including gloves, goggles, and protective clothing. Avoid contact with skin and eyes. In case of contact, rinse immediately with plenty of water. Ensure adequate ventilation during application. Refer to the Material Safety Data Sheet (MSDS) for detailed information (MSDS) for detailed information

Technical Data:

Property	Value
Appearance	Clear liquid
Colour	Colourless to pale
Odour	Mild
Density	~1.08 – 1.12 g/cm ³
pH	10.5 – 11.5
Solubility in Water	Completely soluble
VOC Content	Low
Application Temperature	+5°C to +40°C
Efflorescence Reduction	Significant
Vapour Permeability	Maintained
Appearance	Clear liquid