



W40 IMPREGNATOR

POTASSIUM METHYL SILICONATE IMPREGNATOR



USES

1. For plastered walls, concrete walls, ledges and roofs, manufactured and natural white stones and aerated cement blocks before painting. **(Note: May cause a white deposit on colored surfaces, granite and marble due to over coating.)**
2. Prevents rising dampness and salt penetration on back of stones.
3. Combats capillary rising damp in masonry when injected into bored holes in buildings.
4. Low fired clay products immediately after they have been made: e.g. Roof tiles, bricks, aerated cement blocks and flowerpots. Also outdoor timber to reduce water absorption.
5. Gypsum & gypsum-based plaster board. Light fillers such as perlite and vermiculite insulating material.
6. Additive to water glass and water-based silica paint.

FEATURES

1. Will penetrate deeply and chemically burn away thick living algae. Develops a water-repelling effect by reacting with the CO₂ to form polymethylsilica. Has a very good non-stick, self-cleaning effect that keeps the building clean and new.
2. **Reduces water absorption** and **prevents efflorescence** and algae growth. **Enhances self-cleaning effect** to the treated surface.
3. Pores and capillaries are not sealed and hence water permeability is not reduced.
4. The substrate and treated surface do not become glossy. No formation of harmful by-products.

APPLICATION METHODS

Stone is sensitive. Test apply on a small area to check on the changes in shade before full application.

1. Pre-dilute **W 40 + Water = 1 + 50** before use. **Coverage: 60 m² / 1 kg**
2. Cement plaster, cement-based paint containing lime, or cement for new construction (highly alkaline) should be allowed to age properly (3-4 weeks) before **W 40** is applied.
3. Not recommended for treating exterior cement walls due to white spots developing.

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5. It is not possible to impregnate a masonry surface already treated with **W40** as it can no longer absorb the aqueous solution of impregnating agents and this can cause formation of white spots. For this reason, particularly with façade or other objects of large surface areas, the impregnation work should be carried out without any work breaks to prevent the described phenomenon at overlapped points. (**W4 WATER REPELLENT** is recommended for the job.)
6. Reasonably good water repellence develops after 24 hours under room temperature.
7. Dipping process is ideal for impregnating bricks, roofing tiles, clinkers etc.
8. The absorbency of these building materials determines how long they should remain immersed in the bath (50 to 100 times diluted with water). The time can vary between 5-60 seconds. Immediately after impregnation, the material should not be stacked.
9. **W40** can be use to remove blackened algae from the wall and impregnate at the same time.

TECHNICAL DATA

- | | |
|--------------------------|-----------------------|
| • Appearance | Clear to hazy liquid |
| • Odours | Characteristic |
| • Specific Gravity (25C) | 1.3 |
| • pH | 13 - Highly Alkaline. |



SAFETY PRECAUTIONS

1. **CORROSIVE & IRRITANT: W 40** is strongly alkaline due to the presence of POTASSIUM HYDROXIDE. Appropriate safety measures must be taken while handling the product; Protective glasses and gloves should be worn while using the product. Any splashes on the skin should be washed off with plenty of water.
2. Spraying should be done with an airless spray. While spraying, the solution should not be atomized and inhalation of the spray mist should be avoided.
3. To protect third party from contact with the alkaline fluid, the working area should be screened off from public during treatment.
4. **W 40** possesses a high order of toxicity, however poses no hazard incidental to industrial handling if reasonable care and cleanliness are observed. Acute oral toxicity is not determined.
5. Allow excess **W 40** to be absorbed into the concrete and complete the chemical reaction to avoid disposal.

PACKING 1-kg bottle, 5-kg carboy, 20-kg jerry can

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