

A-Z Penetrating Sealer LS



Masonry Water Repellent

DESCRIPTION • *A-Z Penetrating Sealer LS* is an aqueous solution of potassium methyl silicate. In liquid form, it impregnates the porous surfaces of mineral-based building materials to make them water repellent.

A-Z Penetrating Sealer LS develops its water-repellent properties by reaction with atmospheric carbon dioxide (CO₂). The active substance formed from the silicone masonry water repellent is polymethylsilicic acid.

USES • Imparting water repellency to:

- Low-fired clay products immediately after they have been made: e. g. roof tiles, facing bricks, floor tiles, flower pots
- Aerated concrete
- Gypsum and gypsum-based plasterboards
- Light fillers, such as perlite, vermiculites and aerated concrete granules
- Insulating materials.

ADVANTAGES •

- ✓ Good depth of penetration.
- ✓ Water-based and environmentally compatible.
- ✓ Stable in storage.

LIMITATIONS • Do not apply if ambient temperature is expected to drop below 7°C in the proceeding 24 hours. Do not apply if rain, dew, or water exposure is expected within 24 hours after application. Avoid application in direct sunlight and during high winds. Do not apply on areas where hydrostatic pressure is possible. As with all silicates, *A-Z PENETRATING SEALER LS* may cause a white deposit on the surface of colored construction materials. Not suitable on very dense, non-porous surfaces such as marble and granite.

COVERAGE • Must be applied full strength, never dilute. Coverage rates depend on porosity and texture of the surface, method of application, and other surface and job conditions. The figures quoted below are intended as a guide only:

Substrate	Coverage [m ² /Gl]
Concrete	8-16
Plaster	7-15
Sand-Lime Brick	6-10
Brickwork	2-10
Aerated Concrete	2-8
Cement Fiberboard	13-35
Natural Stone	2-75

SURFACE PREPARATION • All surfaces must be clean, free of grease, oil, dirt, wax, and other foreign matter. Cleaning agents may be used provided they are thoroughly rinsed from all surfaces before application and are used in accordance with the manufacturer's recommendations. In some cases, scraping and wire brushing of previously applied coatings, followed by sanding and/or power washing may be necessary. Allow surface to dry for at least 24 hours. Do not use soap or detergent for cleaning; residue may prevent the sealer from penetrating the surface.

APPLICATION • DO NOT THIN, apply full strength. Avoid application in direct sunlight, or during strong wind. On hot days, apply early in the day when temperatures are lower, and when the concrete surface is in the shade. For best results, apply material when surface temperature will remain between 12°C and 25°C for 8 hours after application. Mask or protect surrounding areas from spills and contact with product or equipment. Rope off working area, close to traffic, and remove surrounding vehicles.

Flooding, preferably not under pressure, is the best technique for applying *A-Z Penetrating Sealer LS*. Apply several coats, wet on wet, until the substrate is saturated. Generally, at least two applications suffice for all substrates.

Do not leave long breaks between coats. Apply the next when the substrate has absorbed the previous one and is no longer shiny (wet-on-wet working). The substrate must not have damp spots, i. e., it should look dry. The requisite quantity of *A-Z Penetrating Sealer LS* depends on the absorbency of the substrate. The amount of impregnating agent required for a substrate and the effectiveness of the impregnation should be determined on site by testing a small area of the material to be treated.

MAINTENANCE • Treated surfaces should be inspected periodically by pouring water on the surface; lack of water beading indicates sealer deficiency. Reapply sealer as necessary.

CLEANING • Tools and equipment must be cleaned with warm water.

STORAGE & SHELF LIFE • Product should be stored at 25°C in dry conditions away from direct sun light or freezing conditions. Shelf life is approximately 12 months from date of purchase in original unopened container under specified storage conditions.

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SAFETY PRECAUTIONS • KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY – harmful or fatal if swallowed. STRONGLY ALKALINE AND CORROSIVE. Goggles should always be worn when handling the product. Clothing wetted with product must be taken off immediately. FIRST AID: Eyes – Do not rub eyes, immediately flush with plenty of fresh water while holding eyelids apart. Seek medical attention immediately due to the corrosive effect of the alkali. Skin – Any splashes on the skin should be washed off with plenty of water.

PACKAGING • 1 and 5 gallon containers and 55 Gallon drum.

Creative Concrete Concepts

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