

# A-Z Penetrating Sealer OW



## Penetrating Stain Repellent

**DESCRIPTION** • *A-Z Penetrating Sealer OW* is a water-based mixture of silane, siloxane, and synthetic resins designed for post-treatment application to masonry and other construction materials. *A-Z Penetrating Sealer OW* penetrates the pores to impart hydrophobic and oleophobic properties to the surface, allowing it to resist water and oil stains while retaining water vapor permeability. *A-Z Penetrating Sealer OW* does not alter the color or appearance of the surface.

**USES** • *A-Z Penetrating Sealer OW* may be applied on a variety of masonry and construction materials as an oil and water repellent, such as pavers, mortar, grouts, mineral plasters, natural stone, and any cement-based and absorbent products. *A-Z Penetrating Sealer OW* is designed for post-treatment application on cured substrates.

### ADVANTAGES

- ✓ Water and oil repellency.
- ✓ Deep penetration of the surface due to small molecular size.
- ✓ Water-based, environmentally friend.
- ✓ Maintains water vapor permeability.
- ✓ UV stable.
- ✓ Makes removing of graffiti easier.
- ✓ Does not alter original surface appearance.
- ✓ Reduces surface water absorption, thereby reducing cracking and spalling due to free-thaw cycles.
- ✓ Substrates are easier to clean.

**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. *A-Z Penetrating Sealer OW* is not suitable for rendering gypsum water repellent. Not suitable on very dense, non-porous surfaces.

**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 [sq m/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

### PHYSICAL PROPERTIES

Volume Solids	20%
Appearance	Milky White Liquid
pH Value	6 at 25°C
Density	1.0 g/cm <sup>3</sup>
Flash Point (ISO 2719)	>100°C
VOC (USEPA 24)	44 g/L

**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 to 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. Before applying *A-Z Penetrating Sealer OW*, be sure to cover windows and other non-absorbent surfaces properly because the product cures so quickly that it will be extremely difficult, if not impossible, to remove after a few hours. Wipe off any splashes on window panes immediately, using a solvent if necessary.

Flooding, preferably not under pressure, is the best technique for applying *A-Z Penetrating Sealer OW*. 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 OW* depends on the absorbency of the substrate. The amount of impregnating agent

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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.

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

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

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**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.

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**PACKAGING** • 20-liter pail.

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### Creative Concrete Concepts

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