

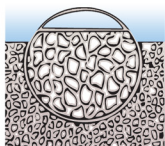
Prime-R™

Concrete Primer and Sealer

DESCRIPTION

Prime-R Concrete Primer and Sealer is used to prevent efflorescence and create a good bond of the coating to the concrete surface. It is based on a small particle sized, hard polymer to seep into the concrete surfaces to thoroughly prime and seal it.

Prime-R is packaged ready to use and has a milky white appearance that dries to a clear transparent film that creates a good bond for the next coating. Using **Prime-R** concrete primer and sealer actually saves you time and money by saving you on succeeding coats.



Spaces between particles leave untreated concrete subject to penetration by moisture, oils, acids, etc.



Penetrates into the concrete where it reacts with free lime and alkali to fill the voids and bond the particles into a solid mass, creating a permanent seal.

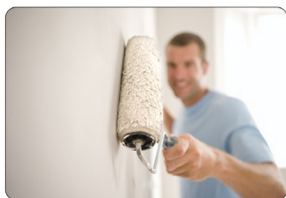
An example would be if you use any paint on bare concrete surface – you will use up around roughly 16-17 square meters per gallon. But with **Prime-R**, you will get roughly around 20+ square meters per gallon (A saving of more than 10%).

Another benefit you get from using **Prime-R** is that it lowers your overall labor cost. One coat application can be topcoated in around 2-3 hours depending on weather. Unlike other primers that have to be recoated by the next day – **Prime-R** saves you time and money thereby lowering your overall labor cost. It is packaged ready to use and can be applied by brush, roller or spray.

In addition, **Prime-R** gives you excellent waterproofing properties – it forms a durable, tough film on all the concrete surface that resists weathering and prevents stains from forming on your topcoat film.

ADVANTAGES

- Prevention of topcoat defects
- Ideal for application on high-alkaline concrete
- Reduce overall material and labor cost
- Small particle sized to seep into concrete
- Good bond coat for topcoats
- 100% Waterproof



AREAS OF APPLICATION

Any concrete surface --- in driveways, garages, pool decks, and walls. It can be used inside the home or building as long as the room is well-ventilated to eliminate the slight smell of the solution.





Prime-R™

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CHEMICAL NATURE

Concrete Primer and Sealer

FEATURES

- Excellent alkali and efflorescence resistance
- Outstanding water resistance, imparts a physical barrier to water transport
- Chemical barrier to salt migration
- Excellent substrate penetration and promotes topcoat adhesion

COMPOSITION

Engineered Acrylic Emulsion
Epoxy Functional Silane
Preservative
Surfactants

Coverage: 35 sq. m. per 4 liters based on clear

Packaging: 4 liters plastic can, 16 liters plastic pail

Shelf Life: 1 year on original unopened container

Storage Condition: Keep dry at 18°C - 35°C

Density: 1.05 kgs. per liter

Solids: <30%

Tack Free Time: 30 minutes (Approx.)

PREPARATION

Surfaces with cracks and holes must be filled and patched first. The concrete surface must be solid before you get to apply the clear sealer. The concrete surface has to be clean and devoid of dirt or other substances that could affect adhesion. For non-porous surfaces, it is recommended to clean it with muriatic acid, which is rinsed thoroughly afterwards

Household cleaning products such as a stiff broom, a garden hose, and bleach and de-greaser will do well. De-grease the surface and remove oil stains. Next, remove any mold or mildew in the concrete. The concrete has to be entirely clean. Lastly, use a stick broom to remove any residues that were left over.



Wear protective goggles when preparing and applying the concrete sealer. Also, wear gloves and some protective clothing. The mixture may cause itchiness or rashes. Do not add detergents or ammonia to the bleach and water solution for a better cleanup.

Stir well when applying **Prime-R** both before and during applying it to the concrete surface. Apply it when the surface and air temperatures are above 40°F. It is also best to apply it on a temperature that doesn't exceed 90°F because this will cause premature drying with bubbles forming from trapped vapors.

Use an airless sprayer when applying **Prime-R**. You can also use a cure roller or plain brush. But do not use a hand sprayer. After using, seal the container tightly.

PROCESSING

Customers have to carry out small test on concrete surfaces to make sure **Prime-R** works for them or not. Cambridge can give a small quantity for testing purposes and/or a product representative will conduct product demonstration and presentation on site.

The compatibility of **Prime-R** to other topcoats made by other manufacturers, its effect and its adhesion to other substrates etc. are affected by a variety of factors which are too numerous for us to take into account on our own trials. This includes testing its storage stability to confirm that its viscosity remains stable.



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