

Description

Romaseal is a highperformance styrene acrylic resin, solvent borne, floor coating providing a deep penetrating, nonyellowing, scuff resistant finish. Romaseal is available as a clear or colored solution and in glossy or matt finish.

Uses

Romaseal is used as a sealer and finishing coat for various colored and uncolored concrete surfaces, such as stamped concrete, chemically stained concrete, and exposed aggregate concrete; for masonry surfaces, including interlock and porous brick, and other absorptive materials such as natural stone, plaster, and wood. Romaseal is appropriate for interior as well as exterior applications when the surface is properly textured or a non-slip additive is added to the sealer. Romaseal may be pigmented and applied to uncolored concrete surfaces to add color to the surface. Romaseal helps to improve the durability of concrete and other surfaces and reduces discoloration and staining caused by common spills such as food and oil. Romaseal also helps to reduce surface degradation caused by chloride penetration and efflorescence and is therefore commonly used around swimming pools.

Advantages

- Beautifies the look of the surface and gives it a new appearance.
- Enhances the color of stamped concrete and brings out the antique and texture effects.
- Seals and dust-proofs hardened concrete, stone, brick, stamped concrete, exposed aggregate, mortar, and grout surfaces.
- Protects surfaces against stain caused by oil and food spills.
- Formulated for interior and exterior use.
- Non-yellowing and preserves the natural look of paving materials.
- Extends the life of the structure by protecting the substrate from liquid ingress damage.
- Available in matt, flat and gloss finishes.

Limitations

Do not apply if ambient temperature is expected to drop below 3°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.

When applying matt grade of Romaseal, a coat of the glossy grade must first be applied to the concrete surface.

Never apply the matt version directly to the concrete surface. Do not apply on areas where hydrostatic pressure is possible.

Apply in thin coats only; never apply heavily as the sealer may become slippery. Not recommended for pre-sealed or dense surfaces such as marble, glazed tile or granite as the sealer may delaminate.

Care should be taken when applying to dense surfaces or exterior untextured surfaces subject to water exposure to apply a nonslip coating or add a non-slip additive to the sealer before application. Check compatibility with coating on previously treated surfaces. Clear Romaseal enhances the color of treaded surfaces, and will therefore slightly alter the natural appearance of treated surfaces. Not intended as a waterproofing membrane.

Physical Properties

Volume Solids	20%
Pull Off Adhesion (ASTM D 4541)	4.8 MPa (Substrate Failure)
Chemical Resistance (ASTM D 543:95) Acetic Acid (10%) Sodium Hydroxide (10%) Hydrochloric Acid (10%)	Excellent Excellent Excellent
Moisture Resistance (ASTM C 156)	0.313%
Dry Time (21c, 50% RH)	30 min. to touch, 1 hr. recoat, 4 hrs. foot traffic, 24 hrs. heavy traffic, 48 hrs. full cure.
Film Thickness	25-50 microns
Thinning	Not required, use organic solvents for cleaning.

Stain Resistance

Romaseal was tested for stain resistance per ASTM D 1308; adverse effects were recorded as follows:

Test	Observation after		
	15 min.	1 hour	16 hours
Distilled Water (cold)	None	None	None
Distilled Water (hot)	None	None	None
Ethyl Alcohol (50% by vol.)	None	None	None
Vinegar (3% acetic acid)	None	None	None
Alkalai solution (pH 11.5)	None	None	None
Acid solution (pH 2.5)	None	None	None
Soap Solution	None	None	None
Detergent Solution	None	None	None
Lighter Volatile Fluids (Acetone)	None	None	None
Oils & Fats	None	None	None
Ketchup & Mustard	None	None	None
Beverages (Tea & Coffee)	None	None	None
Lubricating Oils & Grease	None	None	None

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. Minimum two coats are recommended. Dominant rates of coverage are 10-15 m² /GL for the first coat and 15-20 m² /GL for the second coat, or on average 40-50 sq meters per 20 liter pail over two coats.

Surface Preparation

All surfaces must be dry, 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 of Romaseal 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 bonding 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. After thorough preparation of the surface, Romaseal can be applied by brush or roller. Use of a synthetic or nylon bristled brush is recommended. A 6 mm nap roller is recommended for smooth surfaces. For rough surface a 9 - 12 mm nap roller is preferred. Two applications of material are highly recommended, especially on unpainted and highly porous surfaces. . Matt grade of Romaseal must always be preceded with a coat of the glossy grade. Always apply in thin coats and maintain a wet edge. Allow 24-48 hours drying time between coats.

Do not allow foot traffic for 24 hours after final application. Area may be opened to heavy foot traffic after a minimum of 72 hours.

Maintenance

Treated surfaces should be inspected periodically for thin or traffic-worn areas. Reapply sealer as necessary.

Cleaning

Tools and equipment must be cleaned with an organic solvent.

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.

Safety Precautions

DANGER! FLAMABLE VAPOR AND LIQUID. Contains aromatic hydrocarbons. HARMFUL VAPORS. CAUSES EYE IRRITATION. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY – harmful or fatal if swallowed.

Do not breath vapor or mist. May affect the brain and nervous system, causing dizziness or nausea. Causes nose and throat irritation. Use in a well ventilated area. Use a properly fitted organic vapor respirator (NIOSH TC-84A approved).

Use goggles, protective clothing and vinyl gloves when handling. Keep away from sources of heat or ignition.

FIRST AID:

Eyes – Do not rub eyes, immediately flush with plenty of fresh water while holding eyelids apart.

Skin – Wash with soap and water.

Inhalation – Leave the area if experience difficulty breathing.

Ingestion – Immediately give large amounts of water and induce vomiting; seek immediate medical attention.

Packaging

5 gallon (20 liter) pail and 55 Gallon (200 liter) drum.