

REPEL IT

CLEAR WATER AND STAIN REPELLANT

DESCRIPTION

Repel It is a high performance penetrating silane-siloxane sealer in a rapid dry formulation. Designed for application by spray, roller or dipping, Repel It allows rapid application over large areas in a single flood coat

Repel It provides a long lasting water and stain barrier and can be used on a wide variety of substrates such as concrete, masonry, pavers, natural stone, sandstone, slate, metal and timber.

Repel It contains two complementary silicones; a deeply penetrating Alkoxy Silane and a powerful Siloxane repellent, that react with the surface to form a protective barrier. Repel It is resistant to UV, heat and oxidation. It provides protection from rebar corrosion, efflorescence, freeze/thaw damage, water penetration, oil penetration, mould and mildew.

Repel It is a clear coating and will enhance the natural colours in the substrate bringing dull surfaces to life. Repel It does not make the surface slippery or change the surface texture making it an ideal sealer for wet areas like pool surrounds and food service areas.

Repel It is a hydrophobic agent that acts to prevent liquid absorption, food and beverage and salt stains. It also offers added resistance to staining from oil based contaminants and assists in the removal of substances like chewing gum and food. Repel It creates a powerful water and liquid beading action on both porous and non-porous surfaces, which develops in as little as 4 hours after application.

Tests have shown Repel It provides long term surface protection for metals, and reduces or eliminates 'tea bag' staining on stainless steel caused by salt particles and other airborne pollution and particulates that settle on the surface. The use of Repel It makes it difficult for these particles to form a bond with the surface and they can easily be removed by rain or a light rinse with water.

Repel It does not form a film and will allow the surface to 'breathe'. Moisture and air can migrate through the coating while it acts to stop the absorption of liquids into the surface.

Repel It is suitable for use on alkaline surfaces such as new concrete. It has excellent substrate wetting and penetration, and provides the rapid development of water repellence.

Repel It can also be used for in-plant impregnation of building materials made of clay, fibrous cement, sand/lime bricks and blocks and lightweight concrete.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

- 1 All surfaces should be clean, sound and free from dry or loose material. Check for presence of waxes, mould release or bond breaking agents, oils or other contaminants that may affect adhesion before application. Given the wide variety of substrates and site specific conditions, it is advisable to check adhesion prior to job commencement.
- 2 Moulds, lichen or fungal growth should be treated with a suitable algacide or if unavailable with a dilute bleach solution (1 part household bleach to 2 parts water) to kill any spores. Leave the bleach solution in contact with the surface for approx. 10 minutes then liberally rinse with clean water and allow to completely dry.
- 3 Masonry should be flush pointed. Make good any defects in surfaces. Remove any dags, high points or protrusions prior to application. Any laitance in concrete surfaces should be removed with wire brush or by grit blasting

TECHNICAL DATA

| | |
|---------------------------------|---|
| No. of Coats: | 1 flood coat (additional wet on wet coats may be applied to increase performance) |
| Coverage: | Concrete 1L per 4m ² Timber 1L per 8m ² Metal 1L per 15m ² |
| Drying Time: | 6 hrs |
| Fully Cured: | 24 hours |
| Cleanup: | Solvent |
| Shelf Life: | 5 years |
| Store Below: | 40°C |
| Application Temperature: | 2°C – 40° |
| Application | low pressure sprayer, brush, broom or lambs wool applicator. |

PRODUCT USES

- Concrete
- Bricks & Blocks
- Pool Surrounds
- Paths & Driveways
- Concrete and Clay pavers
- Sandstone and natural stone
- Slate
- Timber
- Metal
- Interior & Exterior surfaces

Shalex Industries Technical Support Line

1300 720 535

APPLICATION METHOD

Important – Repel It is a supplied in a ready to use rapid dry formulation and is a flammable liquid. Ensure areas are well ventilated during handling and application.

Flooding the surface in a single coat is the recommended application method. Subsequent coats must be applied wet on wet. For very high traffic areas apply multiple coats wet on wet to a point where the sealer is no longer absorbed.

Repel It can be applied with a low pressure knapsack style weed sprayer, roller, brush, lambswool pad or by fully immersing the item into a container of Repel It. Atomisation through high pressure sprayers is not recommended.

When applying to less porous or non porous surfaces such as metal, apply a light even coating to all surfaces but do not allow to pool or form drips and run off.

Work quickly in higher temperatures to ensure all areas are fully coated prior to drying. Remove excess sealer from the surface before drying - take care to ensure there is no pooling or ponding of the sealer as this may create a blotchy appearance on the surface. Back roll with a nap roller to re-distribute any pooling or excess sealer before drying occurs. For vertical surfaces apply from bottom of wall in an upwards direction.

To maximise protection apply a light second coat while the first is still wet and be sure to remove any puddles by back rolling.

Note: Protect from rain for at least 6 hours after application. If rain occurs during application stop and cover area immediately.

METAL COATING

Repel It is a high performance coating that forms an invisible barrier over the surface that repels both moisture and other contaminants from the treated surface. Application of Repel It on metal surfaces such as 304 stainless steel will protect and prolong the surface finish by creating an invisible barrier. Air borne contaminants and salt spray is easily removed from the surface without the use of harsh cleaners by simply rinsing with water. Extensive field trials have shown repel it will actively protect stainless steel from 'tea bag' staining and significantly reduce maintenance on difficult to maintain metal items such as stainless balustrading, tanks, fittings and marine accessories.

Applying Repel It to stainless appliances such as fridges, stoves and dishwashers will help to reduce marking and staining from hand prints, oils, liquids and foods.

Repel It is a clear coating and will not dull polished metal surfaces.

Repel It can be used to protect stainless steels, aluminium, copper, brass, silver, tin, and zinc.

Note: Repel It provides a long lasting barrier for water and stain protection. Repel It is not recommended for application over non porous surfaces which are to be painted or covered as adhesion of the paint or coating may be affected..

RECOMMENDATION:

Do not apply to wet surfaces.

| TRANSPORT / STORAGE | |
|-----------------------|--|
| Pail Sizes | 100ml sample, 1Ltr, 5Ltr, 15Ltr, 200Ltr, 1000Ltr |
| Weights | 150g, 1.1kg, 5.5kg, 16.5kg, 224kg, 1060Kg |
| Dangerous Goods Class | N/A |

DISCLAIMER

Customers are advised to consider the information in this data sheet in the context of how the product will be used, including surfaces and any other products used. The information provided in this data sheet represents our best scientific and practical knowledge. Any advice, information or assistance provided by Shalex in relation to its products is given in good faith, however is provided without liability or responsibility. Due to the wide variety of site conditions we are unable to assume liability for any loss that may arise from the use of our products. The user is responsible for checking the suitability of products for their intended use.

PRODUCT FEATURES

- Breathable
- Deeply Penetrating
- Rapid Dry
- Interior or exterior use
- Clear coating
- Non slip – no change to surface texture
- Interior or Exterior Use
- Long lasting stain and water repellent
- Reduces freeze/thaw damage on masonry
- Stops mould and mildew
- Resists efflorescence or salt staining on masonry
- Horizontal or vertical surfaces
- No peeling or hot tyre pickup on driveways
- UV resistant

HELPFUL TIPS!:

If exposed to weather, do not apply if rain is imminent. Do not apply to a wet surface or if the temperature is below 2°C or above 40°C. Applying the solution during cold weather, where there is limited or no air flow over the treated surface, may result in the surface failing to dry. In enclosed areas introducing air flow by using a fan will assist in curing.

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