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EASY SEAL

Concrete Stain/Sealer

PRODUCT INFORMATION

DESCRIPTION:

EASY SEAL CONCRETE STAIN/SEALER is a decorative, solvent based, penetrating tinted and clear stain/sealer with a low sheen finish. Designed to revitalise, recolour and seal new and old concrete surfaces. It helps eliminate uneven substrate absorption and acts as a primer for concrete surfaces such as new tilt slab.

PROPERTIES:

EASY SEAL CONCRETE STAIN/SEALER is fast drying and protects surfaces from stains. Has good resistance from car tyre marking and reduces efflorescence. Has good UV resistance and is supplied in a tinted and clear option using a Tint Base and Tint Pack to produce a coloured stain.

For Garage floor applications, EASY SEAL is not normally recommended. This is due to the smooth non-porous steel trowelled surface. Even after acid etching treatment the sealer penetration can be limited and may result in the sealer/stain sitting on the top of the surface and can occasionally lift off when vehicles with wet hot tyres are left parked on the surface for a period of time.

Note: EASY SEAL CONCRETE STAIN/SEALER is not suitable for factory glazed terracotta tiles.

PRINCIPAL USES:

Use to revitalise, protects surfaces from stains, recolour and seal new and old concrete surfaces such as driveways, paths, exposed aggregate, slate, concrete pavers and similar masonry surfaces. EASY SEAL CONCRETE STAIN/SEALER can also be used as an adhesion primer for tilt slab, off-form concrete, and new concrete surfaces.

PREPARATION AND APPLICATION DATA:

Surface Preparation:

All Surfaces:

Must be sound, clean, dry and free from dirt, oil, grease, mould, moss, soot, salt, efflorescence (white salts) and other contaminants.

Uncoated, non-porous surfaces (eg steel trowelled finishes - uncoated) will require acid etching with PREP ETCH Concrete Etch to aid penetration.

Water blasting and using GET-GONE Fungicidal Treatment & Cleaner is the best cleaning method. You will need to treat stubborn stains (such as oil) with a suitable alkaline cleaner to enable EASY SEAL Concrete Stain/Sealer to penetrate the surface. Some stains may require several treatments.

If mould or moss is present, pre-treat the surfaces in advance with GET-GONE Fungicidal Treatment & Cleaner and leave for at least 2 weeks, then remove dead material and dirt by scraping or scrubbing. Leave to dry

The key to EASY SEAL CONCRETE STAIN/SEALER is "it must be able to penetrate the surface like a stain/sealer", enabling it to lock onto the concrete whilst still displaying the surface texture.

Preparation of Unsealed Surfaces

Age/Substrate	Preparation Required
New Concrete:	New concrete surfaces should be allowed to cure at least 28 days before application of sealer. Non-porous surfaces require acid etching with PREP ETCH Concrete Etch.
New Exposed Aggregate: Weathered and Porous Unsealed Concrete:	The surface will require cleaning and water blasting to remove any surface laitance (milky or powdery layer of cement dust, lime and sand fines) and dirt, which would prevent sealer penetration/adhesion. If the surface is non-porous, acid etching with PREP ETCH Concrete Etch will be required.
Special Concrete Surfaces (Slate and Flag Stone (wet cast) pavers)	Follow above preparation as applicable (new or weathered).

Preparation of Previously Sealed Surfaces

All sealed surfaces will require cleaning and water blasting to remove any surface 'laitance' and dirt which would prevent sealer penetration/adhesion.

Age/Substrate	Preparation Required
Sealer down less than 2 years:	Inspect the sealer for failure. If failure is present use a solvent wash. If in doubt we recommend you use a solvent wash. See Tech Data sheet "ESSWT" Solvent Washing on our website.
Sealer older than 2 years:	For previously sealed surfaces more than 2 years, we recommend you use a solvent wash. See Tech Data sheet "ESSWT" Solvent Washing on our website.
Special Concrete Surfaces (Slate and Flag Stone (wet cast) pavers)	Follow above preparations as applicable.

Off-Form Concrete and Tilt Slab Surfaces:

Fresh concrete must be allowed to cure for at least 28 days prior to the application of EASY SEAL CONCRETE STAIN/SEALER.

Mould release agents must be removed by detergent washing and the surface must show no sign of water repellence before applying EASY SEAL CONCRETE STAIN/SEALER.

Apply one coat of EASY SEAL CONCRETE STAIN/SEALER by airless spray, brush broom, or roller prior to the application of any finish coats. Thinning of first coat by 10% before applying with Easy Seal Prep Wash & Thinner is recommended.

If a clear glazed finish is required up to three coats may be needed on porous surfaces to obtain an even sheen.

Application all surfaces:

Surface and weather conditions:

Apply on a fine day. Avoid application if rain is forecast within 24 hours or the temperature is below 10°C or above 35°C. If the surface has been wet, allow to dry 2-3 days before application (dry time will depend on surface and conditions).

*Note: If surface is wet or may get wet during application, you **must not** apply product as you may experience whitening of the sealer.*

Mixing and Application Instructions for Unsealed Surfaces:

Age/Substrate	First Coat	Second Coat
New Concrete, Weathered & Porous Concrete, Acid Etched Non-porous, Special Concrete eg Slate and Flag Stone (wet cast) pavers New Exposed Aggregate	Thin the first coat by 10% with EASY SEAL Prep Wash & Thinner	EASY SEAL Concrete Stain/Sealer direct from the can

Mixing and Application on Previously Sealed Surfaces:

Age/Substrate	First Coat	Second Coat
Sealer down less than 2 years	2 parts EASY SEAL Concrete Stain/Sealer with 1 part Easy Seal Prep Wash & Thinner	EASY SEAL Concrete Stain/Sealer direct from the can
Sealer down longer than 2 years	1 part EASY SEAL Concrete Stain/Sealer with 1 part EASY SEAL Prep Wash & Thinner	EASY SEAL Concrete Stain/Sealer direct from the can

Application Tools:

Application by brush or broom (house type synthetic) is preferred. can also use Airless spray gun and Roller:

Roller Application:

Smooth Surfaces - use 5 - 8mm nap (Interior Floors, Polished Concrete, Furniture)

Semi-Smooth to Slightly Textured Surfaces: Use 10mm - 12mm nap (often microfibre) is the most versatile for standard walls or lightly textured concrete.

Rough or Heavily Textured Surfaces Use 15-20mm nap (Exposed Aggregate, Brick, Driveways) to ensure the sealer reaches into all nooks and crannies.

Mohair rollers are highly recommended to avoid lint. High-density foam rollers are excellent for furniture tops to eliminate brush marks.

Applying Stain:

Apply the product as mixed directly from the pail (or from either a suitable container for solvent) using the mixing tables for the relevant age or type of substrate. Ideally, apply using a brush or broom (house type synthetic) so you "work" the sealer into the surface to assist with penetration. If applying with a roller, take care to avoid over-rolling and only apply thin coats as excessive amounts of sealer can leave roller marks due to the fast-drying nature of the product, over-rolling or if the surface is too hot during application can give a cobweb effect.

Stir thoroughly to ensure uniformity by using a "bottom to top" mixing action before application. For the coloured stains stir contents until you get a uniform colour mix, check by doing a visual test on the stirring equipment. The coloured sealer needs to be stirred regularly (approximately every 5 minutes) to ensure uniformity of colour throughout the sealing process. It is advisable to pre-mix enough sealer for each coat to ensure uniformity of colour or at least ensure you have the same batch of tinter.

Number of coats:

We recommend two coats following the application table recommendation for the substrate. Additional coats can cause surfaces to be slippery. To avoid slip hazards the addition of 50 g/L of AP Non-slip Additive may be required for a glaze finish on smooth walk-on surfaces.

Drying time & recoating:

EASY SEAL CONCRETE STAIN/SEALER will be touch dry in approximately 30 minutes and can be recoated after 2 hours. Avoid foot traffic for 4 hours and vehicle traffic for 48 hours. *Note: Drying times will vary depending on temperature and humidity conditions at the time of application.*

Using Tinters:

Add the entire contents of the EASY SEAL Tint Pack colour to the EASY SEAL CONCRETE STAIN/SEALER Tint Base to achieve full colour. Stir thoroughly to ensure uniformity by using a "bottom to top" mixing action. Then check by doing a visual test on the stirring equipment. The coloured sealer needs to be stirred regularly (approximately every 5 minutes) to ensure uniformity of colour throughout the sealing process. It is advisable to pre-mix enough sealer for each coat to ensure uniformity of colour or at least ensure you have the same batch of tinter. Add the entire pack for full colour.

The recommended addition ratios are:

5 litre EASY SEAL CONCRETE STAIN/SEALER Tint Base + 1 x Small EASY SEAL Tint Pack

10 litre EASY SEAL CONCRETE STAIN/SEALER Tint Base + 2 x Small EASY SEAL Tint Pack

For variations on the full-strength colour options, please refer to supplier.

Do not add more than the recommended amounts as it may impact on sealer performance.

EASY SEAL Tint Pack tinter is not to be used alone and should only be mixed with the EASY SEAL CONCRETE STAIN/SEALER Tint Base Sealer only.

Maintenance coat:

We recommend a maintenance coat before two years to enhance longevity, however this is subject to the personal choice, traffic usage as well as the conditions it may be exposed to.

Thinning: EASY SEAL Prep Wash & Thinner.
Solvent Washing: Use EASY SEAL Prep Wash & Thinner. Refer to Tech Data "ESSW1" Solvent Washing.
Clean-up: EASY SEAL Prep Wash & Thinner or universal thinner.

Note:

Do not leave rags or cleaning fabrics "screwed up" (spontaneous combustion may occur). Rinse thoroughly in detergent and water mix and hang out to dry to re-use

Protect Our Environment – When disposing of leftover liquid, keep out of stormwater drains and waterways. Take to a local hazardous waste disposal station. Dry all empty containers in a well-ventilated area. Dispose of the empty containers according to your local council regulations.

GENERAL DATA

Gloss Level: Glossy on application and will go to a natural low sheen appearance over time.

Theoretical Coverage: Allow 6-10 square metres per litre per coat, depending on porosity, texture and profile. As a quick guide, 5 sqm/l for 2 coats (ie 10 litres for 50 sqm).

Application Temperature: 10-30°C

Shelf Life: Store in cool conditions, away from direct sunlight. Under normal conditions full containers can be stored for several years. Check contents before use.

Specific Gravity: 0.91 kg/litre

Sizes Available:

Sealer/Stain: Test Pots, 1 Litre, 5 Litres, 10 Litres, (20 Litres on demand only)

Tint Packs: Small (Large on demand only)

Prep Wash & Thinner: 500 ml, 4 Litre

Limitations:

Not recommended as a waterproofing sealer. Not suitable over solvent-based enamel or water-based paving paints (can be used under such coatings when recommended by supplier). Limited performance in in extremely aggressive (industrial) or continuous immersion conditions. Limited solvent resistance.

EASY SEAL CONCRETE STAIN/SEALER is not suitable for factory glazed terracotta tiles.

Troubleshooting:

Poor Adhesion: Surface not porous enough, dirty or damp when applied. Applied over non compatible coating.

Flaking: Failure of substrate surface, wet when applied or surface not porous enough.

Discolouring: Surface dusty or substrate wet before or during drying.

Cracking: Radical movement of substrate.

Chalking: N/A.

Roller Marks: Applying too much pressure when applying.

Slow Dry: Surface too cold.

Fast Dry: Surface too hot.

Gritty: Dust or wind-blown dirt or sand.

Uneven sheen: Dust settled onto film, over thinning of film or substrate too hot or cold, poor acid etching application.

Colour Change: Contamination of film.

COMMON QUESTIONS & ANSWERS:

- Q How long does EASY SEAL CONCRETE STAIN/SEALER last?
A We would expect EASY SEAL CONCRETE STAIN/SEALER used as a glaze to last at least 2-3 years on average. This varies considerably as every customer's interpretation differs greatly as to what they consider as faded/worn. We have found that the reseal time frame can vary from 1 year to 4 years. This is totally dependent on the customer perception (even though EASY SEAL CONCRETE STAIN/SEALER will in fact still be protecting the surfaces). We recommend you apply a maintenance coat at least every two years.
- Q I have very old sealer on my surfaces do I need to follow any special preparation
A Yes, please see instructions on recoating old, sealed surfaces as they become very hard and need reactivating to get new sealer to bond
- Q I have splashed EASY SEAL CONCRETE STAIN/SEALER on my walls how do I get it off?
A Wipe with clean EASY SEAL THINNER immediately, don't let EASY SEAL CONCRETE STAIN/SEALER dry before treating. The longer it's left the harder it will be to get off. Take care when removing from painted surfaces as EASY SEAL THINNER may affect the paint.
- Q What about oil spills on EASY SEAL CONCRETE STAIN/SEALER?
A Remove oil spill immediately by wiping with a soft, clean cloth before it reacts with EASY SEAL CONCRETE STAIN/SEALER. If you are unable to clean up before damage has been done to sealer, simply reapply EASY SEAL CONCRETE STAIN/SEALER to the affected area after removal of any stains.