

SEALIT MULTIPURPOSE

ACRYLIC CLEAR, WATERPROOFING COMPOUND.

DESCRIPTION

Shalex Sealit Multipurpose is a water based general purpose clear waterproofing compound designed for use on a wide variety of substrates.

Sealit Multipurpose is especially suited to sealing and protecting porous vertical masonry surfaces such as split faced or decorative concrete blocks. Sealit is particularly effective against wind driven rain and unlike 'water repellent' style sealers is able to withstand hydrostatic pressures caused by significant weather events. Sealit is UV stable and provides long term protection (ie > 10 years)

Sealit Multipurpose dries to a clear low sheen finish and remains flexible to accommodate minor movement in the substrate. Sealit can be over painted with any acrylic paint. Due to exceptional adhesion Sealit is well suited as a primer for acrylic architectural topcoats, elastomerics and roofing paints.

Sealit is a very soft sealer and not suitable for horizontal surfaces subject to traffic (eg paths, pavers, floors etc) unless they are to be covered with tiles, carpet, or harder coatings.

HELPFUL TIPS!

With difficult to wet out surfaces, hot surfaces, or in very hot and windy conditions, the application of a very fine mist spray of water over the surface may help absorption prior to application of the primer coat. The surface should be just damp, **not wet**.

IMPORTANT NOTE: Sealit is not designed as a final coating for horizontal/trafficable areas and should be covered or overcoated. Allow at least 24 hours (at 24°C) to dry before applying screeds, tiles, or any other coatings or coverings.

SURFACE PREPARATION

- 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 and remove. Given the wide variety of substrates and site specific conditions, it is advisable to check adhesion prior to job commencement.
- 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.
- Spray Equipment – run clean water through to wet the lines first, test sprayer on the ground until the stream becomes white and adjust spray pattern to achieve a fine, even spray.

APPLICATION METHOD

- 1 Dilute 1 part Sealit with 1 part clean water as a primer or 'soak in' mix. Apply primer coat liberally. The aim is to totally saturate the masonry, and frequent light passes over the same area with the sprayer while still damp will provide the best conditions for maximum absorption. Do not allow to dry between passes, respray as soon as the primer coat is absorbed.

The primer coat will turn the wall white but will dry clear. Allow at least 1 hour to dry (at 24OC) or wait until the surface appears dry and clear. Do not return unused primer mix to pail.

- 2 Apply a second top coat of Sealit – do not dilute the second coat, apply neat from the pail. As the surface will already be sealed the top coat will not be as quickly absorbed as the primer coat and should be applied more slowly and sparingly – aim for an even coverage and avoid runs where possible. Multipurpose may remain tacky on some surfaces until fully cured. When fully cured the surface appears dry and clear.

TECHNICAL DATA

No. of Coats:	2 – 3
Coverage:	1L = approx 5m ²
Drying Time:	2 – 4 hrs
Fully Cured:	7 days
Cleanup:	when wet: water when dry: solvent
Shelf Life:	12 – 18mths
Store Below:	35°C
Application Temperature:	5°C – 35°
Application	Low pressure sprayer, brush or roller

PRODUCT USES

- Clay & masonry bricks/blocks
- Cement render
- Concrete slabs
- Wet areas
- Fibre cement sheeting
- Leaking Showers
- Particle Board Flooring
- Coloured masonry
- Fishponds & troughs
- Concrete Tilt Panels
- Leaking Balconies
- Terracotta pots
- Undercoats/sealer
- Concrete ponds
- Sealing Screeds
- Fibro roofs

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SEALING SINGLE LEAF MASONRY

Sealit Multipurpose is an effective waterproofing solution for single leaf masonry construction. Application method is critical to ensuring complete coverage of the surface and an effective barrier against water ingress.

The architect/builder/applicator should consider the following:

- The composition of mortar mixes and laying technique of trades may vary from location to location making quality control difficult. Inclusion of a waterproofing admix into the mortar such as Shalex Concrete Bond is strongly recommended.
- Vertical masonry walls subject to wind driven rain (eg no eave protection) require complete and thorough coverage to ensure all masonry is coated. Wind driven rain can enter a building through the smallest area of unprotected masonry and typically this is through a poorly constructed mortar joint.
- Exposed gable ends and walls facing into prevailing weather should be given an additional coat to ensure coverage. Spraying while backrolling in an upward motion is particularly effective in ensuring adequate coverage.
- The bricklayer should ensure mortar joints are full and where possible compacted (eg ironed). Particular attention to perpendicular joints is required as this is typically the main point of failure.
- Sealit provides a fine waterproof 'skin' over the masonry surface as well as waterproof protection at and just below the surface. Structural movement during or after curing of mortar and concrete may open small cracks that will require subsequent re-coating. Coating 'green' masonry may result in cracks through mortar joints which would require re-sealing. Ideally masonry should be left for 28 days to ensure maximum moisture loss and allow for hairline cracking to appear (if any) prior to application of Sealit.
- The presence of dust may interfere with absorption of Sealit into the masonry. All surfaces should be free from dust. Washing the walls prior to application will minimise the risk of poor absorption.
- Split face or textured masonry provides a difficult surface for the applicator to ensure total coverage. Sealit must fully 'wet out' all surfaces of the wall. The primer coat is key in providing sub-surface protection and the applicator should ensure Sealit is applied liberally.
- Application of Sealit with a sprayer may result in beading on some masonry. It is important Sealit be given sufficient time to soak into the masonry. A brush or roller may be required to reduce surface tension and ensure the masonry is fully 'wet out'. Brushing out mortar joints during application is an additional precaution that will minimise the risk of unsealed areas.
- Application on hot masonry or windy days may cause premature drying without giving Sealit an opportunity to penetrate. In these cases application of a fine mist of water prior to application of Sealit will assist in absorption. Note – the walls should be just damp – not wet. All penetrations, flashing and openings should be well sealed with an appropriate sealant. Sealit is not designed to bridge gaps.
- In high wind locations large volumes of wind driven rain can enter the building through very small openings or unprotected areas of wall. Negative air pressure is created inside a building by opening doors or windows on the opposite side to the prevailing wind and this can 'suck' water through the smallest openings or unprotected sections of wall. Wind can also drive water upwards under poorly sealed eave, soffit or metal flashings so care should be taken during construction to ensure these are protected with sealants or caulks.
- Interior timbers, wall linings or fixings adjoining single leaf masonry walls should be protected to minimise any damage from water leaks. Waterproofing timbers, fixing linings to raised battens, installing voids and other features should be considered during both design and construction.
- Reactive clay soils will typically result in movement in the masonry and can result in cracks opening along mortar joints. Sealit will accommodate minor movement, however large movements may result in cracks through which water may enter the building. Once the waterproofing in the exterior façade is breached moisture can quickly travel through the walls in all directions.

PRODUCT FEATURES

- Tested to ASTM E514.74 – Rated 'E' for Excellent on water permeance
- Excellent Adhesion
- Cost Effective & Gives Long Lasting Protection
- Highly flexible
- Waterborne for easy application and cleanup
- Safe to use with minimal vapour
- Dries to a clear low sheen finish
- May be painted over with any acrylic based paint

HELPFUL TIPS!

Place drop sheets down on floor surfaces to ensure no run off or drips occur when applying Sealit Multipurpose to walls.

RECOMMENDATION

While Sealit Multipurpose is a water based waterproofing agent we recommend the use of gloves when using this product. The superior adhesion and water repellent properties of Sealit Multipurpose may cause 'sticky hands' even after washing well with soap and water.

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- Small leaks appearing on the interior walls following application of Sealit generally highlight areas where coverage is not adequate. This may be a result of small areas being missed, insufficiently coated or where cracks have appeared after application. These areas should be retreated with a heavily loaded long nap roller or brush, keeping Sealit in contact with the wall for as long as possible. Larger areas can be re-coated by spraying and back rolling in an upward motion at the same time.

SLAB FLOORS

Apply primer coat and one neat coat to slab before laying carpet, timber or vinyl flooring to protect from moisture. Ensure the slab is well cured before application. Note Sealit Multipurpose is not designed for sealing polished concrete or as a final coating for trafficable areas. We recommend Shalex Glaze for this purpose.

PLYWOOD & PARTICLE BOARD FLOORING

Sealit is well suited to protecting plywood or particle board flooring from excess moisture during construction and will reduce the risk of sheet damage through swelling. Unlike many silicone based 'water repellents' Sealit aids adhesion of subsequent coatings/coverings and it will assist in binding any loose or dusty sections of timber sheet.

Apply one coat neat for moisture protection to face and edges of timber sheets. Ensure edges and inside of grooved sheet edge is well coated.

Note: Sealit should not be used if the sheets are to be sanded/polished or finished with a stain.

TERRACOTTA OR CONCRETE POTS AND PLANTER BOXES

Apply primer coat and one neat coat to all interior surfaces, ensuring corners are well covered. Allow Sealit Multipurpose to dry clear before filling.

LEAKING SHOWERS

Sealit Multipurpose is designed to penetrate the porous grout and seal leaking showers and balconies. For multiple leaks it may be necessary to plug the waste temporarily and flood the floor. All tiled and grout areas should be treated with a suitable algicide 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. We suggest using a sauce bottle or similar to direct Sealit Multipurpose onto the grout lines. Follow with a small brush working the compound into the grout with a forward/backward brushing motion. Allow at least 48 hours before using the shower.

Important note: Wipe Sealit from surface of tiles before dry.

WATER TANKS & TROUGHS

Sealit Multipurpose has been used to successfully seal leaking concrete water tanks and troughs. Sealit is designed to penetrate the concrete and block the passageway of water through fine cracks and porous sections. Sealit is not able to withstand hydrostatic pressure until cured.

Tanks should generally be empty and dry before application. As Sealit is water based it will not be able to fully cure where water is present in the tank due to high humidity.

Application on interior and exterior surfaces will provide the best results. Any large cracks should be filled with a suitable caulking compound such as epoxy putties or polyurethane caulks prior to application of Sealit.

The concrete should be pressure washed to remove any algae and dirt. Where possible the concrete should also be dry prior to application of Sealit, however application over damp surfaces may be successful if the product is able to cure before being diluted or washed away. The use of a heat gun or hairdryer will assist in curing Sealit and drying out the surface as much as possible prior to and after application.

Multiple applications may be required to stop leaking in trouble areas. To ensure maximum absorption of Sealit into the concrete we recommend application in an

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upwards motion with a long nap roller, moving very slowly. This ensures a puddle of Sealit is in contact with the surface for as long as possible. Work back over the same area multiple times while still damp. The aim is to totally soak the surface in Sealit so that it can penetrate into the concrete. Spraying too much, or working too quickly will see most product bead and run off and the result is less effective.

Allow the surface to dry before filling with water. Both temperature and airflow assist in curing. Placing a fan inside the tank will speed up curing. While Sealit Multipurpose is suitable for potable water we suggest a quick rinse with a hose prior to filling.

TRANSPORT / STORAGE	
Pail Sizes	125ml Trial Pack, 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.

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