



Technical Data Sheet

Sealit Multipurpose

Acrylic, clear waterproofing compound.

DESCRIPTION

Shalex Sealit Multipurpose is a water based general purpose 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 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 not designed as a final coating for trafficable areas and should be over coated with a harder coating such as Shalex Glaze.

USES

Sealing and protecting split face or coloured masonry blocks
Clay and Masonry Bricks and Blocks
Concrete & Terracotta Roof Tiles
Render
Sealing screeds, floor and wall pre-tiling
Concrete Tilt Panels
Cement Sheeting (Fibro, Blue Board)
Concrete Slab Floors
Particle Board Flooring
Fishponds, Concrete Water Tanks & Water Troughs
Improve spread rates, coverage and extends paint life
General Wet Areas, Balconies and Leaking Showers

FEATURES

- Tested to ASTM E514.74 – Rated 'E' for Excellent on water permeance
- One Component
- Excellent Adhesion
- Cost Effective & Long Lasting
- 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



Technical Data Sheet

TECHNICAL DATA

Number of Coats	2-3
Coverage Rate	10M ² per Ltr (Soak In Mix) – 1 st Coat 5M ² per Ltr 2 nd Coat (Dependant on Substrate) As a guide 1 x 15ltr pail covers 75 M ² (2 Coats)
Drying Time	Recoat 1-2 hours (at 24°C) Dry – 2-4 hours (at 24°C) Fully Cured – up to 7 days Note – Sealit is dry when it becomes clear, but may remain tacky for longer periods.
Cleanup	Before dry - with water After dry – petrol thinners or solvents
Shelf Life	12-18 months in uncontaminated container kept well sealed and out of direct sunlight. Store below 35°C
Application Temp	5°C - 35°C
Application	By Low Pressure Sprayer, Brush or Roller

APPLICATION INSTRUCTIONS

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 than 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.

Moulds, lichen or fungal growth 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.

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 Sheet

Application Method

Sealit Multipurpose is designed as a penetrative sealer. To ensure sufficient product is applied to the surface **we recommend application with a backpack style low pressure sprayer** (eg pesticide sprayer) as this allows a constant stream of Sealit to be applied at a consistent rate across the substrate. Brush or rollers may be used for smaller areas (eg window reveals, etc) but **users should ensure liberal application** with frequent brush or roller re-loading. Mask all areas not intended for waterproofing well prior to application.

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.

Priming (**IMPORTANT – This Step Must Be Followed**)

Dilute 1 part Sealit with 1 part clean water. Apply liberally, flooding the surface working from top to bottom on vertical surfaces. Allow 1 hour to dry (at 24°C). Do not return unused compound to pail.

Application

Coat all surfaces working the product into any voids or depressions. With bricks/blocks, pay particular attention to mortar joints, ensuring these are fully 'wet out'. Direct spray toward the top of each joint ensuring the bottom face of each brick/block is coated.

Allow to dry to clear before applying screeds, tiles, or any other coatings or coverings. Sealit Multipurpose will remain tacky until fully cured.

Note: Sealit is not designed as a final coating for horizontal/trafficable areas and should be over coated with harder coating such as Shalex Glaze.

Sealing Single Leaf Masonry

Sealit Multipurpose is an effective waterproofing solution for single leaf masonry construction however 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) may require additional coats 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.

Technical Data Sheet

- Exposed gable ends and walls facing into prevailing weather should be given additional coats 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.
- 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 or 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 backrolling in an upward motion at the same time.



Technical Data Sheet

OTHER USES

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.

Particle Board Flooring

One coat neat for moisture protection to face and edges of sheets. Ensure inside of grooved sheet edge is coated. Note Sealit will remain tacky during curing so it should not be used as the final coating and should be over coated with carpet, vinyl or a suitable acrylic paint for trafficable areas.

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. **Important - Wipe Sealit from surface of tiles before dry.**

Allow at least 48 hours before using the shower.

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. It is unlikely to be effective on larger leaks where a constant stream of water is leaking. In these cases the tank needs to be emptied and dried.

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.



Technical Data Sheet

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 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.