

TECHNICAL BULLETIN



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UNIVERSAL STONESEAL

Manufactured by
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SAFETY DIRECTIONS: Avoid contact with skin and eyes. R36/38 Irritating to eyes and skin. S37/39 Wear suitable gloves and eye/face protection.

FIRST AID: For advice, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor (at once). If swallowed, do NOT induce vomiting. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor.

UNIVERSAL STONESEAL
SATIN FINISH SEALER

NET CONTENTS
 1L 5L 15L 200L

Environex International

UNIVERSAL STONESEAL is a water based surface sealer designed to give a matt or satin finish to slate, sandstone, pavers and most porous material. It gives excellent protection from most household stains and makes the cleaning task very simple. **UNIVERSAL STONESEAL** can be used internally and externally. **UNIVERSAL STONESEAL** may slightly enhance the surface being sealed. **DO NOT USE UNIVERSAL STONESEAL WHERE DRAINAGE IS POOR AND WATER CANNOT FREELY ESCAPE.** Always test first.

APPLICATION: should be done when the surface is clean and dry. A soft bristle brush or **ENVIRONEX** Lambswool Applicator will give best results. The product should be applied in an even and thin manner with no pooling. 2-3 coats is required. Allow minimum 1 hour between coats or touch dry, and overnight for final cure.

CLEANUP: Use **ENVIRONEX S21 MPC** and fresh water to clean the **ENVIRONEX** applicator, when dry store in a clean plastic bag.

RECOATING: **UNIVERSAL STONESEAL** has a life expectancy of 2-3 years dependent on traffic. **UNIVERSAL STONESEAL** can be over coated with **ENVIRONEX ENDURE SEALER** if a higher shine is required. Future sealing should be done using the product last used on the surface or a chemical reaction may occur.

Do not apply this sealer if the temperature is below 10°C or above 35°C. Once sealed the surface should be cleaned using **ENVIRONEX REFRESH** as a routine cleaner.

FOR FURTHER TECHNICAL ASSISTANCE CALL 1800 999 196

MATERIAL & FUNCTION

UNIVERSAL STONESEAL is a water based emulsion of acrylic resins used for the sealing of walls and floors against penetration of stains, water, oils and greases. **UNIVERSAL STONESEAL** is a one-part resin system with integral components activated by evaporation of moisture and exposure to light.

UNIVERSAL STONESEAL – the ultimate in user friendly sealers. **UNIVERSAL STONESEAL** has been developed as a water based surface sealer for use on most porous surfaces such as concrete or clay pavers, sandstone, limestone, travertine or reconstituted products. It has been developed to avoid the strong odours associated with solvent based sealers. **UNIVERSAL STONESEAL** will protect against most common household spills. Some colour change may occur with the use of this product. A small test area is recommended.

UNIVERSAL STONESEAL finds its main use in sealing of sandstone blockwork, brickwork and stone walls and floors, where a high gloss and wet look associated with solvent based sealers is not desired. However, it can be effectively used in protection of:-

- Concrete and brick paving areas.
- Masonry walls where penetration of moisture is a problem.
- Stone surfaces where damage by oils, grease and the occasional spillage of petrol

needs to be prevented.

UNIVERSAL STONESEAL can be used both internally and externally and is not subject to yellowing.

DIRECTIONS FOR USE

Ensure the area to be sealed is clean and dry. Newly laid surfaces should be left to dry for a minimum of 48 hours prior to sealing. Using a sprayer or a lambswool applicator, apply one coat of **UNIVERSAL STONESEAL** ensuring there are no pools or puddles. These should be wiped out as you go. Allow the first coat to totally dry over a 2-3 hour period before applying a second coat. Allow overnight for final curing before using the surface. Do not apply to wet surfaces or surfaces that are over 30 degrees Celsius or under 10 degrees Celsius.

COVERAGE

Apply **UNIVERSAL STONESEAL** to clean stone at the rate of 100-250 mL per square metre per coat with two to three coats being recommended to ensure saturation of surface. For high-density stone surfaces, **UNIVERSAL STONESEAL** may be diluted with water at the rate of no more than 50:50, with the number of coats of the diluted product adjusted accordingly to ensure saturation of the surface.

CLEANUP

Cleanup is in water.

MAINTENANCE

Paving sealed with **UNIVERSAL STONESEAL** should be routinely cleaned using **ENVIRONEX REFRESH** or **MAESTRO** if there is a moss or mould problem.

RECOATING should be done every 2-3 years. This will be necessary more often in high traffic areas.

Note: **UNIVERSAL STONESEAL** may be used both internally and externally, however, when used externally **UNIVERSAL STONESEAL** may turn milky under prolonged exposure to moisture or rain. This is a temporary effect and will disappear after the surface moisture has evaporated.

UNIVERSAL STONESEAL should be coated with **ENDURE** for commercial and kitchen areas where penetration of greases and fats is a problem.

CAUTION

Ensure the temperature of the surface being treated is higher than 13 C. Ensure humidity is less than 85%. Temperatures lower than this will prevent coalescence of resin system and resin film will stay milky or turn powdery. Refer to manufacturer to rectify.

SAFETY DIRECTIONS

When spraying solutions, the spray operator and anyone assisting in the spray operations must wear a respirator mask. Use only when there is adequate ventilation available.

GENERAL DATA

Compound type acrylic emulsion

Flammability no

Solvent odour nil

Curing (indoors) 2 - 5 days

Curing (outdoors) 2 days

Useable in 1 - 2 days

Suitable for -

Sandstone yes

Concrete yes

Scrub resistance -

1 day fair

4 days very good

Resistance to:

Mineral oils good

Solvents, petrol good

Organic acids, animal & veg. wastes, dairy fats excellent

Strong alkalis fair

Weathering & UV excellent

Curing -

Min temp 20°C

ADDITIONAL NOTES

1. The acrylic film produced when **UNIVERSAL STONESEAL** has cured is generically resistant to mineral acids, such as sulphuric acid. Acid rain contains sulphuric acid and so will not affect the **UNIVERSAL STONESEAL** film. If **UNIVERSAL STONESEAL** is continually subjected to acid rain, it is beneficial to the surface if occasional washing with water is carried out to remove any residual material.
2. **UNIVERSAL STONESEAL** penetrates beneath the surface of stone and thereby provides protection by curing in the voids. It also does not support growth of mould on or beneath the surface. However, any mould growth on the sandstone prior to application of **UNIVERSAL STONESEAL** should be removed with **MAESTRO** and if necessary further eliminated with a prescribed biocide.
3. **UNIVERSAL STONESEAL** is resistant to salt water and is suitable for use around salt-water swimming pools. Applicators should ensure that there is no residual salt in the stone prior to application of **UNIVERSAL STONESEAL**. All surfaces of stone should be thoroughly sealed, particularly underneath the surface of the swimming pool coping. (Sandstone pool coping is recommended to be soaked in sealer to ensure full saturation prior to laying and waterproof grout and adhesive is mandatory to lessen the likelihood of salt tracking).
4. **UNIVERSAL STONESEAL** should not be applied where either the ambient or the surface temperature is below 13°C and relative humidity above 85%. The ideal curing temperature is 20-25°C.
5. **STRIPPING UNIVERSAL STONESEAL** – use **CYCLONE**. Because **CYCLONE** evaporates quickly, do small areas at a time. Scrub the stripper into the surface with a nylon brush and then remove residue with rags.

PACKAGING

2 Litre, 5 Litre, 15 Litre, & 200 Litre containers.

IMPORTANT NOTICE TO CUSTOMER

*Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user. **ALWAYS TEST FIRST.***

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