

CONCRETE SEALER EXTRA

High quality colour enhancer and protection coating

Product Information

Generic Type: Solvent Acrylic .
 Coverage: 3-6m²/Litre/coat
 Recommended Coats: 2
 Application Temperature: 10 - 28°C
 Application Method Broom, Roller, Brush or Spray
 Thinning: Permacolour Concrete Sealer Thinners 5-10% for the first coat
 Dry Time: 30 minutes—2 Hours (touch dry)
 Cure time: 24 - 48 hours, full cure at 7 days.
 Recoat time Minimum 2 hours
 Finish: Gloss (for lower sheen finish add Permacolour Matting Agent to Concrete Sealer final coat)
 Packaging 2lt, 5lt, 20lt, 200lt

Physical Properties

Appearance Clear viscous liquid
 Boiling Point (°C) 136 - 175°C
 Vapour Pressure (mm of Hg at 20°C) 12.4 (Xylene)
 Per Cent Volatiles 25-26%
 Specific Gravity (at 25°C) 0.98
 Solubility in water (g/l at 25°C) Negligible

FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flash Point, 23-27°C
 Flammability Units % by volume 1.0 - 7.0
 Fire Extinguishing Media Foam, dry chemical, carbon dioxide, Halon 1221 (BCF)
 Dangerous Goods Classification: 3

PRODUCT DESCRIPTION

Permacolour Concrete Sealer Extra is a blend of modified acrylic polymers and organic solvent. It is formulated to exhibit a high degree of resistance to U.V. sunlight. Permacolour Concrete Sealer Extra has a high solids content and a moderate gloss clear finish.

SUITABILITY

- External horizontal concrete surfaces—drives, patio's, paths, walkways and walls
- Imprinted and coloured concrete, brick, stone interlocking pavers, exposed aggregate, stucco and keystone, as well as many other types of concrete flatwork

ADVANTAGES

- It seals and dustproofs the surface while providing resistance to water, tyre marking, scratching and marring in hot climates.
- It provides a deep rich look to any concrete finish.
- Offers a high resistance to acid, oil, grease, mildew and stains from organic matter.
- Can be tinted using Permacolour Booster.

INSPECTION

Surface must be structurally sound, dry, and free of oil, grease, curing agents, dirt, dust or other foreign matter. Surface must be opened up or porous. This product is designed for use over untreated concrete surfaces free from wax, dusting preventive sealers, deep penetrating sealers, bond breaking compounds and release agents and other similar chemicals that will interfere with proper adhesion and lead to premature coating failures.

SURFACE PREPRATION

Exterior concrete that does not have a damp proof membrane underneath should be a minimum of 7 days old in summer months or 14 days old during the winter months. Concrete that has a membrane underneath and is external should be at least 24 days old before sealing. Hard trowelled concrete that is exposed to the weather should not be sealed as even with anti-slip, could be slippery when wet. The surface should be cleaned of dirt, oil, grease and all other foreign material using Permacolour Concrete Cleaner. With new unsealed concrete, acid etched (refer to Acid Wash guide), flush with water and allow to dry completely. Drying may take up to 24 hours or more, depending on weather conditions. A good way to test to see if the concrete is dry enough is to lay a 500mm x 500mm plastic sheet on the concrete and place a bucket or 4litre paint can on top and leave for 15 minutes. Then remove the bucket or can and if there are signs of condensation underneath, then the concrete is too damp for sealing.

PRECAUTIONS

DO NOT apply over mildew. Mildew is a fungus, brown, black, grey or even white in colour, and will rapidly grow through any coating applied over it. A solution of Permacolour Moss, Mould & Lichen Killer will destroy the mildew. See precautions on bleach label for handling before using.

DO NOT thin with anything other than Permacolour Concrete Sealer Thinners.

DO NOT apply to surfaces when ambient or surface temperatures are below 5°C .

IDEALLY concrete should be 14 days old prior to sealing.

DO NOT apply on hot windy days as this may cause bubbling of the sealer.

DO NOT apply to any surface if moisture is present.

DO NOT apply externally if rain is likely within 8 hours of application

NOTE: Permacolour Concrete Sealer may be used in a limited capacity on vertical surfaces when applied in thin coats. Heavy application on vertical surfaces may lead to dripping and streaking. Primary design applications are horizontal surfaces. Do not over apply. It is not to be used to water proof concrete.

APPLICATION INSTRUCTIONS

Apply sealer uniformly with broom or spray equipment and in cooler conditions a roller can be used. Using rollers in hot conditions can create air voids in the sealer coat which can expand in the hot conditions forming air bubbles on the sealer surface. When applying pigmented sealer, keep material stirred at all times to prevent settling of pigments. Avoid forming areas where the sealer is thicker in places as these areas may also bubble in hot conditions. Over application may cause slipperiness when wet. Two thin coats are better than one thick coat. In the heat of the summer, thin with Permacolour Concrete Sealer Thinners 5 to 10% to ease application. Note: Permacolour recommends the use of some form of slip reducing aggregate when sealing, particularly external or smooth surfaces. For this purpose Permacolour supplies Aluminium Oxide Grit, Glass Grit and Slip Reducer for use with Permacolour Concrete Sealer Extra.

THINNING

Thin the first coat with Permacolour Concrete Sealer Thinners 5 to 10% to ease application.

DRYING TIME/CURE TIMES

Dry time will depend on ambient temperatures and can vary from 30 minutes to 2 hours. You may need to allow 24 hours between coats in hot conditions. Allow 24 hours drying time prior to pedestrian traffic (48 hours for best results) and a minimum of 48 hours drying time prior to vehicle traffic. Sealer takes seven days to reach its full strength so the longer it can be left the stronger the surface will be before it is exposed to traffic.

COVERAGE

Approximately 3-6m² / litre/ coat—dependant on surface texture, suction & porosity.

CLEAN UP

All equipment can be cleaned with Permacolour Concrete Sealer Thinners.

MAINTENANCE/LIFESPAN

Maintenance: Use Permacolour concrete cleaner to clean twice a year. Clean stains immediately. Avoid cleaning the surface with solvents. The expected life span of Permacolour Concrete Sealer Extra will obviously be affected by the location, weathering and traffic the concrete is subjected to. In exposed and heavy traffic areas re-coating maybe necessary after 2 years. In light use areas the coating will last for several years in as new condition. One major benefit of the acrylic sealer is the ease of re-coating. A simple clean to remove built up dirt and remove any loose sealer, will prepare the concrete for re-coating. The new coating is then applied directly over the old coating. No stripping is necessary, meaning a driveway can be put back into service much sooner. Never waterblast a sealed driveway.

WARRANTY

Permacolour products are warranted for one year after date of purchase. Please refer to the Limited Material warranty for additional clarification. The information contained herein is true and accurate to the best knowledge of Permacolour. Since we cannot anticipate all possibilities and conditions under which this information and our products may be used, Permacolour hereby accepts no responsibility and offers no warranty in the case of results achieved by the use of our products or of the safe use and suitability of these products. Permacolour offers our products for sale subject to, and "The Customer" and all users are deemed to have accepted our Terms and Conditions of Sale. We warrant our products to be free of manufacturing defects. If any product is found to be defective and was within storage/shelf life, Permacolour will replace the product at no charge to the purchaser. Permacolour makes no other warranty with regards to our products, either expressed or implied. Whilst any information provided by ourselves, both verbally or written, is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control. As all Permacolour technical data sheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

REMOVAL

Concrete Sealer Extra can be removed by using Permacolour Sealer Stripper. Alternative means of removal is by grinding.

SAFETY & HANDLING

Handling Precautions: Permacolour Concrete Sealer Extra should not be allowed to come into contact with skin or eyes, or be swallowed. Avoid prolonged inhalation of vapours. Protective gear such as masks, goggles and barrier cream should be used. Ensure there is adequate ventilation and if working in enclosed areas a suitable breathing apparatus must be used.

Swallowed: If swallowed, do not induce vomiting. Seek immediate medical attention. Begin artificial respiration if the person is not breathing. Use mouth to nose rather than mouth to mouth.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush affected area with large amounts of water then wash with soap and water.

Eye Contact: Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Get medical attention if irritation persists.

Inhalation: Move the victim to fresh air immediately. Keep warm and at rest. Begin artificial respiration if breathing has stopped. Use mouth to nose rather than mouth to mouth. Seek immediate medical attention.

Fire: Permacolour Concrete Sealer Extra is flammable. DO NOT expose liquids or vapours to naked flames or other sources of ignition. NO SMOKING. Containers should be tightly sealed when not in use. In the event of a fire, extinguish with dry chemical or foam type extinguishers.

Flash Point: Permacolour Concrete Sealer Extra 23-27°C

Storage: Permacolour Concrete Sealer Extra should be stored in a cool, dry place away from sources of heat or naked flames. Two year shelf life, stored unopened.

KEEP OUT OF REACH OF CHILDREN!

* Contact Permacolour for additional storage and health details.

* MSDS available on request.

This product is classified as hazardous under HSNO criteria Dangerous Goods Class: 3

WARNING! SLIP AND FALL PRECAUTIONS

Permacolour recommends the use of angular slip resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Permacolour or its sales agents will not be responsible for injury incurred in a slip and fall accident. Please contact us for more information on slip resistant aggregate products.