

UREGLAZE WB

2-COMPONENT, 4 TO 1 MIX RATIO URETHANE

PRODUCT DESCRIPTION

Permacolour Ureglaze WB is a 2 component waterborne high solids urethane. As a clear coating, it comes as a semi gloss and gloss finish that is hard wearing, extremely durable and UV stable. Typical areas of application are residential floors, garages, bench tops, external walls and rest room floors.

SUITABILITY

- Ideal for cafés, bars, retail & residential environments where odour needs to be kept to a minimum
- Ground/polished concrete surfaces
- New & old internal coloured concrete floors & benchtops
- External walls also acts as an Anti-Graffiti coating
- Sealing Permacolour Micro Topping & Decorative Overlay
- Not suitable for external flat surfaces.

ADVANTAGES

- Ease of application and no sanding required between coats if coats are applied within the critical recoat time.
- Low odour
- Hard wearing and excellent resistance to heat & chemicals.

INSPECTION

Surface must be structurally sound, dry, and free of oil, grease, curing agents, dirt, dust or other foreign matter. Surface must be roughed 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

Concrete surfaces should be clean, dry, and free of disintegrating chalky material or previously applied coatings to insure satisfactory results. To increase adhesion, dense or machine trowelled concrete surfaces should be prepared mechanically by sanding or grinding or etched with a solution of one part muriatic acid and ten parts clean water. The surface profile should resemble 80 grit sandpaper to be suitable for coating. Neutralize the surface by applying a mixture of Permacolour Acid Neutraliser in water and rinse thoroughly. Clean all surfaces with Permacolour TSP Cleaner and rinse with clean water.

PRECAUTIONS

DO NOT paint over mildew. Mildew is a fungus, brown, black, grey or even white in colour, and will rapidly grow through any coating applied over it.

DO NOT thin with anything other than water.

DO NOT apply to any surface if moisture is present.

DO NOT apply to surfaces when ambient or surface temperature are below 10°C or above a relative humidity of 85%. These application requirements must also be met until the applied coating has achieved touch dry. Higher temperatures and lower humidity will accelerate cure times and reduce working time.

Ideally concrete should be 28 days old prior to sealing.

DO NOT apply in high humidity.

DO NOT apply externally if rain is likely within 12 hours of application

Not recommended as a clear waterproofing system for concrete block and honed concrete block construction.

Product Info

Generic Type: Waterborne Urethane
Reactive Acrylic

Volumetric Ratio: 4 parts Base
1 part Hardener (by volume)

Coverage: 10m² per litre per coat
@ 35 microns DFT

Recommended Coats: Two

Recommended Dry Film Thickness: ... 35 Microns
per coat

Pot life: 2-3 hours @ 18°C.

Induction Time: 10-15 minutes

Application Temperature: 10 - 28°C

Application Method Brush or synthetic fibre
roller

Thinning: Water up to 10%

Dry Time: 2-3 Hours @ 18°C

Cure time: 12 Hours @ 18°C

Recoat time Brush/Roller: 3 hours
(minimum) @ 18°C / 7 Days Maximum

Drying time is affected at temperature and high
humidity.

Finish: Gloss & Semi Gloss

Packaging: 1 Litre Kit & 4 Litre Kit

Physical Properties

Appearance: Clear to haze colourless
liquid

Boiling Point (°C): 100°C

Vapour Pressure (mm of Hg at 25°C): N/A

Percent Volatiles by weight: 72%

Specific Gravity: N/A

Solubility in water: Miscible

Solids Content: 85%

VOC: 81gm/litre
when mixed

Flammability and Explosive Properties

Flash Point: 45.5°C

Fire Extinguisher Media: Carbon Dioxide,
dry chemical & foam.

Flammable

Dangerous Goods Classification: Class 3.3

MIXING

In a clean and dry bucket, mix 4 parts A and 1 part B together using an agitator, jiffy mixer or stir stick. Mix slowly for at least 2 minutes or until completely combined then allow to stand for the recommended induction time (10-15 minutes). After the induction period re-mix before application. Prepare only the amount you can use in 3 hours at 18°C. (Higher temperatures reduce work time). Do not leave the mixture in the bucket longer than 3 hours.

APPLICATION INSTRUCTIONS

Apply by roller, synthetic brush or spray. Apply a coat of Ureglaze WB Gloss thinned 10% with water and allow to cure, followed by one or two unthinned additional coats as required. When rolling, work in a continuous direction and immediately lay-off with a 50% overlap, tip-off with a brush if bubbles persist. Avoid working back over areas that have begun to dry as this will lead to a patchy finish.

THINNING

Materials are typically applied as received, but may be thinned with water up to 10% during application to keep a low viscosity. Any reduction water must be added after Part A and B have been drill mixed. Mix again.

DRYING TIME/CURE TIMES

Under normal Conditions (18°C & 60% humidity) dries to touch in 2 to 3 hours depending on formulation. May be recoated when dry to the touch. Do not apply to surfaces when ambient or surface temperatures are below 10°C. Higher temperatures and lower humidity will accelerate cure times and reduce working time.

COVERAGE

Approximately 10M² / Litre/ coat at 40 Microns

CLEAN UP

All equipment can be cleaned with warm soapy water (NB: Before curing begins).

MAINTENANCE

Surfaces coated with Ureglaze WB can be cleaned with neutral pH cleaner such as Permacolour's Concrete cleaner. The surface can also be coated with Permacolour's Vision Polish as a maintenance procedure every 6 months or so for added protection or to buff out fine scratches or to maintain sheen.

REMOVAL

Ureglaze WB can be removed by sanding or grinding. For a quicker removal, Sodablasting is advised.

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.

SAFETY & HANDLING

Handling Precautions: Permacolour Ureglaze WB 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 such as an air-supplied respirator or hood must be used. Some individuals may be allergic to epoxy resin. Use only with adequate ventilation. Avoid contact with skin. Some individuals may be allergic to epoxy resin. The hardener contains a trace (less than 1%) of hexamethylene di-isocyanate, which is of course further diluted when blended with the base. When brushed or rolled, normal ventilation procedures used with solventborne systems will ensure that the level in the air never reaches a M.A.C. of 0.02 p.p.m. When sprayed, mixed product may be harmful by inhalation.

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 Ureglaze WB Hardener 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 Carbon Dioxide, dry chemical or foam type extinguishers.

Storage: Permacolour Ureglaze WB should be stored in a cool dry place away from sources of heat or naked flames and direct sunlight. The hardener is sensitive to moisture and should be kept tightly sealed with not in use.

Caution: Do not tightly reseal quantities of leftover mixed product as the mixed product generates carbon dioxide gas which can cause the lid of a tightly sealed can to pop with force. Leave the mixed material in a safe place for at least 48 hours for outgassing to be completed before sealing cans for disposal through an approved hazard waste site.

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 3.3

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 agent will not be responsible for injury incurred in a slip and fall accident. Please contact us for more information on slip resistant aggregate products.