

# 2 Part Colour Sealer

## Colour Sealer Clear Base 18L

### Sealer Tint 2L

**Protective coloured sealer for stamp, stencil and most concrete surfaces.**

#### Use

Provides a coloured glossy film to protect Stamp, Stencil and most concrete surfaces.

Coloured Sealer seals and helps protect the substrate from ingress of dirt and grime. It also helps protect the substrate from weathering.

#### Advantages

- Ease of application
- Fast drying

#### Clear Base Properties

<b>Solids (PBW):</b>	24% ± 1%
<b>UV Light:</b>	Very good resistance
<b>Thinning:</b>	Solvent
<b>Recommended Film Build:</b>	Approx. 40- 80 microns dry per coat
<b>Coverage Rate:</b>	Approx. 3-6 m <sup>2</sup> per ltr per coat
<b>50 micron dry film cured for 28 days at 25°C before testing with 1 hour soak</b>	
<b>Alkali (1% Caustic Soda):</b>	No visual effect
<b>Mineral Turpentine:</b>	Slight softening (rearden 8 hours)
<b>Petrol Regular Unleaded:</b>	Very slight softening (rearden 1 hour)
<b>Methylated spirits:</b>	Causes white discolouration (easily removed with solvent)
<b>Chlorine (Sodium Hydrochloric) 5%:</b>	No visual effect
<b>Salt (Sodium Chloride):</b>	No visual effect
<b>Brake fluid:</b>	Softening and slight dulling - immediately clean with detergent and then solvent

#### Colour Tint Properties

<b>Solids:</b>	30 – 60% by weight depending on colour.
<b>UV Resistance:</b>	Very Good
<b>Solubility:</b>	Not dispersible in water (dispersible in most paint type solvents).

#### Mix in Colour Tint (Sealer Tint)

- Applicable to 18L sealer
- Add 2L tint to 18L Colour Sealer Clear Base
- Mix thoroughly with a hand paddle for 3-4 minutes
- Sealer must be mixed regularly during application to ensure colour consistency
- When applying coloured sealer, a paint tray and solvent resistant lambswool roller must be used

#### Application Instructions for New Cured and Old Concrete (unsealed)

##### Preparation

Ensure concrete is sufficiently cured (recommended minimum 14 days).

- Concrete is to be clean and free of grease, oil, paint or any curing agent. Stiff broom and general purpose cleaner recommended.
- Pressure clean surface at minimum 2000 psi and allow to dry.
- Acid etch with hydrochloric acid. Dilute approximately 20 parts water to 1 part acid (depending on porosity) to remove any loosely bound cement and laitence. **NOTE:** smooth concrete will require a higher acid content. Maximum strength - 10 parts water to 1 part acid.
- Apply diluted acid to surface using a large head watering can, applying in a criss cross motion (approximately 5-10m<sup>2</sup> sections). Acid will start to fizz on the surface once it starts to react with the laitence in the concrete.
- Pressure clean immediately to clean and remove all remnants of acid (do not allow acid to dry on surface). Pressure clean at minimum 2000 psi.
- Allow surface to dry before sealing (sealing over damp concrete will cause whitening). Refer to Dry Test.

##### Sealing

##### Application Methods

Sealer to be applied by a suitable solvent resistant lambswool roller.

To apply sealer, pour sealer into a roller tray, and evenly roll onto surface.

Ensure sealer is not applied too thick and no pooling occurs, as bubbling can occur.

Avoid excess sealer build up on the edges of the roller. This can lead to roller lines in the surface.

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## Prime Coat

- Prime coat the surface first with LustreSeal Superbond Primer and leave to dry for a minimum of 24-48 hours.
- Do not dilute colour sealer.

**NOTE: For resurfaced concrete, do not use Superbond Primer. Apply minimum 2 coats undiluted Colour Sealer.**

## Top Coats

- For best results the sealer should be applied in a minimum of 2 coats making sure the sealer is completely dry between coats (recommended minimum 24 hrs) with sufficient film build to provide the performance and durability required.
- To obtain a lower slip factor it is advisable to use the appropriate Slip Resistant Additive with the sealer for better grip under adverse conditions e.g. wet areas, steep slopes and pool surround areas. See Slip Resistant Additive TDS for details.

## Application Instructions for Sealed Concrete

### Testing

#### Cross Hatch Test is required.

This simple test should be used to ascertain whether existing sealer is suitable to be resealed over.

1. Use a sharp blade to create a light "cross-hatch" incision through the sealer.
2. Place a piece of self adhesive tape (suggest clear packing tape) over the incision.
3. Press firmly for maximum adhesion and remove sharply. Repeat with fresh tape several times.

If sealer is present on the tape, it is advised sealer be completely stripped from surface. Seek professional contractors should stripping be required.

If there is no sign of sealer adhering to the tape or delaminating from the surface, this would indicate that the bond of the existing sealer is sufficient for resealing.

**IMPORTANT NOTE:** if current sealer shows signs of whitening or blooming, regardless of cross hatch test results, sealer may need to be stripped completely from the surface. Whitening may reoccur if new coat of sealer is applied over this problem.

### Cleaning

- Concrete is to be clean and free of grease and oil. Stiff broom and general purpose cleaner recommended.
- Pressure clean at minimum 2000 psi to clean and remove all contaminants. Allow surface to dry before resealing (sealing over damp concrete will cause whitening). Refer to Dry Test.

## Solvent Treatment (not applicable to resurfaced concrete)

Solvent treatment is required to reactivate the existing sealer. This will help with the adhesion of the new sealer coat.

- Use a solvent resistant broom to work LustreSeal Solvent/ Sealer Prep into the sealed surface.
- Work the solution into the surface with some pressure in a circular motion - 1 square metre at a time. Continue to rework the same selected area until reactivation of the sealer is achieved.
- Complete solvent treatment of entire surface.
- Allow area to dry enough to walk on before proceeding to sealing stage.

## Sealing

### Application Methods

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Avoid excess sealer build up on the edges of the roller. This can lead to roller lines in the surface.

## Priming

### Prime Coat

- Prime coat the surface first with LustreSeal Superbond Primer and leave to dry for a minimum of 24-48 hours.

**NOTE: For resurfaced concrete, do not use Superbond Primer. Apply minimum 2 coats undiluted Colour Sealer.**

### Additional Coat/s

- If additional coat/s are required, ensure the sealer is completely dry between coats (recommended minimum 24 hrs) with sufficient film build to provide the performance and durability required.
- To obtain a lower slip factor it is advisable to use the appropriate Slip Resistant Additive with the sealer for better grip under adverse conditions e.g. wet areas, steep slopes and pool surround areas. See Slip Resistant Additive TDS for details.

## Curing Time

After sealing it is recommended that the sealed surface be protected from:

- Rain/water/sprinkler systems for minimum 6 hours
- Foot traffic for a minimum of 24 hours
- Vehicle traffic for a minimum of 5 days

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The time depends on weather conditions and coating thickness, therefore, check suitability before allowing traffic.

## Dry Test

- Place a piece of plastic over a small area, tape the edges and leave for 1 hour.
- Remove plastic, if there is no moisture on either surface, concrete is sufficiently dry for sealing.

## Maintenance

Remove oil, grease and other contaminants immediately with a general purpose cleaner.

## Limitations

- Do not seal in high winds or if rain is likely.
- Do not apply over painted surfaces. Paint removal required.
- Application of sealer can lower slip resistance (slip resistance additives available).
- Not for food preparation areas.
- Not a waterproofing membrane.
- Not recommended to seal at extreme temperatures below 8°C and above 30°C.

## Supply

Colour Sealer Clear Base: 18 litre drums

Sealer Tint: 2 litre tins

## Coverage

1 x 20 litre drum covers approximately 60 to 100m<sup>2</sup> per coat depending on the porosity of the concrete.

## Shelf life

24 months if kept in unopened container and stored in cool, dry conditions. After this time, product should be checked to ensure it's suitability for use.

## Storage Conditions

Store in cool, dry area in unopened container. Highly flammable liquid, store appropriately. Refer to SDS.

## Cleaning

Clean up with solvent.

## Safety

Recommended PPE:

- Organic vapour respirator mask
- Solvent resistant gloves
- Safety eye wear
- Appropriate foot wear

### Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

### Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.