

# 800W WATER BASED CONCRETE SEALER

Water Based



## Description

800W Water Based Concrete Sealer is a single pack water-based acrylic, self-cross-linking coating, designed to penetrate and adhere to concrete surfaces to produce a clear low sheen coating. 800W is solvent-free and does not have the flammable or VOC hazards of conventional solvent-based products. It is best used to reduce the dusting of concrete.

### Recommended Uses

- Stamped, coloured and stencil concrete
- Resurfacing systems
- Exposed aggregate

### Features and Benefits

- Single pack, easy to apply and fast drying
- UV resistant
- Semi-gloss, wet-look finish
- High solids
- Breathable
- Flexible

## Product Information

<b>Coverage</b>	4-6m <sup>2</sup> /L depending on the system, application, and porosity of the surface.
<b>Dry Film Thickness</b>	75 - 150 µm depending on the system, and application.
<b>Shelf Life</b>	12 months in the original sealed container. Store in a cool, dry area and out of direct sunlight.
<b>Clean Up</b>	Clean tools with water while still wet and discard rollers and brushes.
<b>Cure Times</b>	<b>Pot life:</b> 45 minutes <b>Work time:</b> 15 minutes <b>Thin tack free:</b> 30 minutes <b>Thin shore hardness:</b> 24 hours <b>Max recoat time:</b> 18 months
<b>Return to Service</b>	<b>Light foot traffic:</b> 4 hours <b>Vehicle traffic:</b> 24 hours <b>Full chemical cure:</b> 3 days
<b>Testing Information</b>	Cure times completed at 25°C in a 100g container or at 200µm.
<b>Maintenance</b>	Refer to APC Clean and Care guide.

## Environmental Conditions

Temperature and the surrounding atmospheric conditions will play a part in the curing process. Attention needs to be paid to the substrate temperature which should be above 10°C and at least 5°C above the dew point. The ideal humidity is less than 60%. Do not apply where rising damp is an issue.

Industry standards recommend the accurate recording of times and dates, batch numbers, consumption rates, and environmental conditions including the substrate and air temperatures, humidity levels, and dew point readings during both the application and curing process. Full material warranties cannot be provided unless all the relevant data has been recorded accurately.

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## Surface Preparation

- Ensure the concrete is sufficiently cured to the recommended minimum of 28 days from completion.
- Diamond grind, polyvac or pressure wash (3000 PSI minimum) the substrate. The surfaces must be clean, dry, and free from all traces of loose material, old coatings, curing compounds, release agents, laitance, oil, grease, etc. This must be completed by diamond grinding, pressure washing or another suitable cleaning method.
- To check that all traces of oil and other contaminants have been completely removed, sprinkle a few drops of water over the surface. If all water is quickly absorbed, the surface is sufficiently oil and grease-free.
- If water forms into globules that remain on the surface, further thorough treatment of the substrate is necessary.
- Substrate compression strength should be at least 25MPa, cohesive bond strength at least 1.5MPa, and moisture content below 4%.
- Repair cracks and pin holes with APC Polymer Grout.

## Product Application

- To test if the previous coat is sufficient for resealing, conduct a Cross-Hatch test.
- Use a sharp blade to create a light “cross-hatch” incision through the sealer.
- Place a piece of self-adhesive tape (suggest clear packing tape) over the incision.
- Press firmly for maximum adhesion and remove sharply. Repeat with fresh tape several times.
- If the sealer is present on the tape, it is advised the previous coat be completely stripped from the surface. 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.
- To ensure a successful application of 800W Water Based Concrete Sealer, it is crucial to follow these steps carefully. Begin by pouring the required amount of Water Based Concrete Sealer from the tin into a bucket or container, taking into consideration the quantity that can be effectively applied within a 30-minute timeframe, weather depending.
- Once the desired amount has been poured, promptly seal the product tin to prevent any exposure or contamination. Remember, it is important not to pour any excess product back into the original tin, as this may compromise the quality of the product in the tin.
- To apply 800W Water Based Concrete Sealer, use a roller and brush to spread ribbons/lines of the product. While Water Based Concrete Sealer is known for its self-levelling properties, it's essential to work efficiently due to its increased drying nature. Applying the product too slowly may result in visible roller marks, puddles, or "spider webbing".
- Throughout the application, it is crucial to maintain a wet edge by slightly overlapping each stroke with the previous one. This technique ensures a seamless finish. However, be cautious not to over-roll, as excessive rolling can have a negative impact on the outcome.
- By adhering to these guidelines, you can achieve optimal results when applying 800W Water Based Concrete Sealer.

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## Physical Properties

<b>Liquid Appearance</b>	Translucent white
<b>Dry Appearance</b>	Clear
<b>UV Resistance</b>	Excellent resistance
<b>Impact Resistance</b>	AS 1580.406.1: high
<b>Bond Strength to Concrete</b>	100% concrete failure
<b>Volatile Organic Compounds</b>	AP-T002: very high
<b>Resistance to Chemical Spills (7 days at 25°C)</b>	<b>Good Resistance</b> Oil, grease, alkali <b>Fair Resistance</b> Mineral turpentine, petrol, methylated spirits

## CAUTION

- Concrete Sealer should be applied in the cool of the afternoon to avoid expansion of the concrete which will result in bubbling or other adverse reactions.
- The application must not be too thick, as excessive build-up may cause the coating to appear milky when subjected to pooling. This effect will disappear when the coating dries completely.
- Clean material spout and container thread before re-sealing.
- Concrete Sealer should be applied in the cool of the afternoon to avoid expansion of the concrete which will result in bubbling or other adverse reactions.
- Do not apply to concrete if it has a patchy appearance.
- **Water Based Concrete Sealer is not compatible with other urethanes or coatings and should not be used to top coat or recoat these systems.**
- If the previous sealer shows signs of whitening or blooming, regardless of cross-hatch test results, the sealer may need to be stripped completely from the surface. Whitening may recur if a new coat of sealer is applied over this existing problem.
- All solvents, corrosives and spills should be cleaned up as soon as possible.

**In an emergency, contact the Poisons Information Centre on 13 11 26 or a doctor for advice. IF THE SITUATION IS LIFE THREATENING, DIAL 000 IMMEDIATELY.**

DISCLAIMER: Please ensure you read the SDS & TDS thoroughly & carefully before the use or application of any All Purpose Coatings product. These documents contain information in context to how you will apply the product, including if it is being used in conjunction with any other products or systems, and to what surface the product will be applied. All-Purpose Coatings Pty Ltd does not accept any liability either directly or indirectly for any losses that arise from the use or application of the product in accordance with any advice, specification & recommendation given by the companies' documentation or representatives at any point in time. Application, performance & safety data may change from time to time. It is the user and/or applicators' responsibility to ensure they have the latest copy of any documentation pertaining to their project. Industry standards recommend the accurate recording of times and dates, batch numbers, consumption rates and environmental conditions including substrate and air temperatures, humidity levels and dew point readings during both the application and curing processes. Full material warranties cannot be provided unless all the relevant data has been recorded accurately.