



# FINAL FINISH 500

## DESCRIPTION

**FINAL FINISH 500** is a proprietary blend of silica (Si) polymers which penetrate concrete surfaces providing an increase in abrasion resistance and a reduction in the surface absorption of liquids.

The silicates and silicate compounds present in **FINAL FINISH 500** each play a unique role in densifying and sealing concrete.

The silicates in **FINAL FINISH** penetrate deep within the matrix and chemically reacts with calcium hydroxide (also known as portlandite) in the surface to produce calcium silicate hydrate (CSH) – the primary strength-providing portion of concrete paste.

Portlandite is a soft, porous mineral that is subject to carbonation and chemical attack, so replacing it with the much stronger CSH is a major benefit of **FINAL FINISH 500**.

The silicate in **FINAL FINISH 500** also reacts with concrete to form a hydrophobic polymer within the pores and on the concrete surface.

The ultimate result is a concrete floor that is exceptionally dense and liquid-repellent, which equals long-lasting protection and durability.

**FINAL FINISH 500** is water-based and generally dries tack free in 2 to 4 hours at 21C 50% RH.

## PRIMARY APPLICATIONS

- Interior or exterior concrete
- Warehouse floors
- Commercial floors
- Manufacturing plants
- Residential garages and basements
- Distribution centers

## ADVANTAGES OF USE

- Reduces porosity and increases hardness of the concrete surface
- Combines with the concrete becoming part of the matrix and lasts the lifetime of the substrate.
- VOC Compliance with GREEN STAR- OFFICE DESIGN V3 IEQ-13
- Resists penetration of oil and many chemicals
- Reduces the ingress of carbon dioxide and resulting carbonation (degradation of the substrate)
- Minimizes tyre marks and enables them to be more easily removed
- Equipment can be cleaned with water
- Can be applied to fresh, new, or existing concrete
- Low sheen enhances the appearance of concrete surface
- Will not blush
- Buffable
- Compatible with bond breakers for tilt-up projects.

## TECHNICAL INFORMATION

Typical Performance

Drying Time:

Light Foot Traffic.....4-6 hours

Wheel Traffic.....24 hours

Shelf Life: 2 years in original, unopened package.

## APPEARANCE

**FINAL FINISH 500** is a slightly coloured clear liquid which dries transparent.



## FINAL FINISH 500

After placing, the color of the concrete may initially appear darker than the surrounding concrete.

As the sealer cures and dries out, the treated concrete will gradually increase in tightness with a subsequent increase in gloss.

If additional immediate gloss is desired, the floor may be dry buffed with a buffing pad after the sealer has cured for 24 hours.

### COVERAGE

One litre of **FINAL FINISH 500** will cover 5m<sup>2</sup>/litre of steel troweled surface depending on the porosity of that surface.

When **FINAL FINISH 500** is used as final treatment on a metallic or mineral aggregate hardened surface, the coverage may be greater than indicated above.

For other concrete floors coverage is still dependent upon the final surface texture.

### NEW CONCRETE

**FINAL FINISH 500** should be applied to a clean, absorbent concrete surface that is free from any standing or pooling water. Before full application, it is strongly recommended to conduct a small test area to confirm product suitability.

### AT TIME OF POUR

**FINAL FINISH 500** is best applied to freshly poured concrete as soon as possible after the surface finishing stage. Ensure the concrete has sufficiently set to prevent marking or imprinting during application, particularly if foot traffic is necessary.

### Please Note:

If the product is applied more than 4 hours after the initial set, its effectiveness as a curing agent may be reduced depending on climatic conditions.

### APPLICATION:

Apply **FINAL FINISH 500** using a low-pressure, non-atomising spray system such as a pump-up sprayer or battery-operated pack fitted with a fan spray nozzle (tip size .019" - .024"). Hold the spray tip approximately 150mm from the surface and apply at a minimum rate of 5m<sup>2</sup> per litre, using a 50% overlapping spray pattern. Start at the lowest point of the surface—e.g., for vertical or sloped surfaces, apply from bottom to top in a side-to-side motion.

Use a soft broom to evenly spread out any pooling product as it penetrates. Avoid over-application, and do not allow the product to pool and dry on the surface.

### Important:

Do not apply a second coat if the first has already penetrated and the surface appears dry, as this may cause beading and require removal of the excess product.

### EXISTING CONCRETE

Surface Preparation-The concrete surface must be clean, dry, and free of any contaminant or coating.

### APPLICATION:

Apply **FINAL FINISH 500** at the suggested rate (5m<sup>2</sup>/L) by broom or low-pressure sprayer.

Keep the entire surface of the concrete wet with **FINAL FINISH 500** for a minimum of 30 minutes.

The material may be broomed around on the surface to ensure good coverage.



## FINAL FINISH 500

As the **FINAL FINISH 500** begins to thicken and gel (but no more than 60 minutes after initial application) broom and squeegee the excess material on to the adjacent floor area next to be treated. If necessary, lightly sprinkle water on the surface to aid in removal.

Continue until the entire floor has been treated. Vacuum or squeegee to remove any excess material.

### CLEAN-UP

Clean brooms, tools and all equipment and sprayers with water immediately after use.

The residue from application and clean-up process is non-toxic.

### LIMITATIONS

Allow the product to dry a minimum of 4-6 hours before exposure to traffic.

Protect **FINAL FINISH 500** from freezing. In the event of freezing, thaw and stir or agitate before using.

Do not leave any **FINAL FINISH 500** residue on the treated concrete surface.

Excess hardened material must be removed with a grinder.

Protect metals, glass, wood, paint, or brick from contact with **FINAL FINISH 500**.

If product is accidentally sprayed, wash surface with water immediately.

### FIRST AID, SAFETY & STORAGE

Refer to Material Safety Data sheet.

### PACKS

20L, 200L, 1000L.

### FINAL FINISH 500 - PDS SEP 2025

This Product Data Sheet (PDS) 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 PDS 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. Chemical House does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether in accordance with any advice, specification, recommendation, or information given by it.