



UNIVERSAL UNISHIELD PRODUCT CODE: UNISHW

TECHNICAL DATA SHEET

APRIL 2024 REVISION 1

PRODUCT DESCRIPTION

A new generation, water based pure acrylic, long-life, interior, medium sheen coating, incorporating **Antimicrobial Protection**.

UniShield is a non-yellowing, UV, Fungal & **Antimicrobial** resistant coating.

Ideal for hygiene critical environments with the most powerful defence against bacteria.

PRODUCT FEATURES AND BENEFITS

The antifungal & antibacterial protection remains active in the coating film for the life of the coating applied to the substrate.

Highly durable and UV resistant.

Excellent Water resistance.

Superior stain resistance.

The coating surface is smooth and silky in appearance.

Highly washable.

The slightly glossy surface prevents dirt pickup and makes it easy to clean.

Can be cleaned with any household detergent that does not contain ammonia.

Excellent adhesion.

Low odour.

Two coats of **UniShield** are applied for best results.

If correctly applied to a properly prepared substrate, the product has a life expectancy in excess of 10 years.

PRODUCT INFORMATION

Colour	White
Surface Appearance	Slight silky sheen.
Resin Base	Pure Acrylic resin emulsion, Propriety preservatives
Spreading Rate	8-10m ² /litre. Although the spreading rate will vary with porosity and type of substrate, for uncoated new surfaces work on 6-8m ² /litre for the first coat and 8-10m ² /litre for subsequent coats and when applied to sealed, previously painted substrates.
Film Thickness	35 – 50 µm
Pack Sizes	Available in 1ℓ, 5ℓ & 20ℓ
Storage and Packaging	Store away from direct sun, heat and severe cold Ensure the container is tightly sealed before storing. If not sealed properly and exposed to extreme temperatures, it will lead to defects such as product fouling, skinning, crystallizing and will have hard settlement.



APPLICATION INFORMATION

Always maintain a wet edge and avoid downing tools during the application to prevent lap marks and variances in colour or texture.

Work from corner to corner, or from one natural cut off point to the next. Do not attempt to touch up areas, completely repaint the whole area.

APPLICATION DETAILS

Mixing	Stir thoroughly with a flat paddle until homogeneous
Recoating Time	Allow to dry 4-6 hours before recoating.
Application Methods	Brush, Roller or Airless Spray
Thinner	UniShield Paint is ready for use un-thinned; thinning with water will reduce its hiding power and product efficacy.
Cleaning of equipment	Water
Application	Always stir well before use with a flat paddle. Two coats of UniShield Paint are applied for best results. With brush, roller or airless spray, apply a generous coat of UniShield Paint. Apply a second generous coat of UniShield Paint. Do not apply before 9:00Hr and after 16:00Hr in winter. Do not apply exterior if it looks like rain will occur within 4-6 hours of application. Clean up application equipment with clean tap water.

SURFACE PREPARATION

MILD STEEL - (RENOVATION)

Affected areas need to be cleaned back to bright metal and spot primed with Universal Galvanised Primer.

Sand existing coating.

With brush, roller or airless spray, apply a generous coat of UniShield Paint.

Allow to dry 4-6 hours before recoating.

Apply a second generous coat of UniShield Paint.

MILD STEEL(NEW)

Degrease surfaces with Universal Paints Degreaser to remove the manufacturer's grease protective layer. This process is repeated until the surface is water break free.

After drying, the whole substrate is coated with Universal Galvanised Primer.

With brush, roller or airless spray, apply a generous coat of UniShield Paint.

Allow to dry 4-6 hours before recoating.

Apply a second generous coat of UniShield Paint.



UNCOATED CONCRETE SURFACES / RAW / NEW PLASTER / RHINOLITE PLASTER / PRECAST

Make sure surface is dry and firm.

Remove all dust, foreign material, fungal and algae growth, which should be treated with Universal Fungal Wash.

Prime with Universal Plaster Primer. Fill and seal all visible cracks with Universal Acrylic Crack Filler.

Sand well and remove dust.

Apply one coat of Universal Bonding Liquid or Universal Plaster Primer to cover Universal Acrylic Crack Filler.

With brush, roller or airless spray, apply a generous coat of UniShield Paint.

Allow to dry 4-6 hours before recoating.

Apply a second generous coat of UniShield Paint

UNCOATED, WEATHERED OR NEW FIBRE CEMENT SURFACES

Remove dust, foreign material, fungal and algae growth, which should be treated with Universal Fungal Wash.

If friable or powdery, seal with Universal Bonding Liquid.

With brush, roller or airless spray, apply a generous coat of UniShield Paint.

Allow to dry 4-6 hours before recoating.

Apply a second generous coat of UniShield Paint.

WALL PARTITIONING, SOFTBOARD, GYPSUM BOARD, FIBRE BOARD, CORNICES (NEW & RENOVATION)

Remove any loose particles and dust from substrate.

Prime nail heads with a coat of Universal Undercoat (this will prevent corrosion of nail heads).

Prime surface with one coat of Universal Plaster Primer.

Fill and seal all visible cracks with Universal Acrylic Crack Filler.

Sand well and remove dust.

Apply one coat of Universal Bonding Liquid or Universal Plaster Primer (to cover Universal Acrylic Crack Filler).

With brush, roller or airless spray, apply a generous coat of UniShield Paint.

Allow to dry 4-6 hours before recoating.

Apply a second generous coat of UniShield Paint.

PREVIOUSLY PAINTED SURFACES / CONCRETE / PRECAST / PLASTER

Surface must be in a sound condition.

Existing gloss finishes should be well sanded.

Remove all loose, flaking and bubbling paint.

Remove all dust, foreign material, fungal and algae growth, which should be treated with Universal Fungal Wash.



Allow to dry.

Fill and seal all visible cracks with Universal Acrylic Crack Filler.

Sand well and remove dust

Apply one coat of Universal Bonding Liquid or Universal Plaster Primer to cover Universal Crack Filler.

Prime the bare and visible plaster areas with Universal Plaster Primer.

With brush, roller or airless spray, apply a generous coat of UniShield Paint.

Allow to dry 4-6 hours before recoating.

Apply a second generous coat of UniShield Paint.

WOODEN SURFACES AND CHIPBOARD

Prime wooden surface with one coat of Universal Pink Wood Primer.

With brush, roller or airless spray, apply a generous coat of UniShield Paint.

Allow to dry 4-6 hours before recoating.

Apply a second generous coat of UniShield Paint.

CAUTIONS

To ensure colours on the project are consistent, always check the batch numbers and product codes are the same on every container. If batch numbers are different, try mixing all the batches together in a large container so that there is colour consistency.

It is preferable to buy all the paint you need at one time and in the largest possible pack size for convenience and to reduce the chances of slight colour variations between batches

The correct surface preparation is critical to ensure optimum performance of the paint system

Avoid painting during inclement weather

Don't wash, or wet, painted surfaces for 7 days after painting

High humidity will retard the drying and curing

Procedure to change a system from solvent to water based OR water to solvent based.

1. Sand surface slightly with fine sandpaper to break down the existing surface to a matt finish.
2. Dust off any loose dirt contaminants.
3. Clean the surface with soap solution.
4. Rinse well with clean water.
5. Allow the surface to dry completely.
6. Apply one coat of universal undercoat.
7. Apply two coats of the selected top coat (solvent or water based).



SAFETY PRECAUTIONS

For detailed safety information please refer to Material Safety Data Sheet

UniShield Paint is not flammable.

This product is lead free, does not contain any toxic substances and contains low levels of VOC (EU 2010 regulations).

Only use in well ventilated areas and do not eat, drink or smoke whilst using this product

Empty containers are suitable for recycling. But caution must be exercised in the disposal of used containers

DISCLAIMER

Universal Paints cannot be held liable if the product fails due to improper surface preparation or application