TECHNICAL DATA SHEET

R.S Urethane TOPCOAT

WATER-BASED

HIGH PERFORMANCE HYBRID WATER-BASED URETHANE TOPCOAT

Developed by Infinity Effects Materials Science Division

THE NEXT GENERATION OF HYBRID WATER-BASED PROTECTIVE TOPCOAT



CRYSTAL CLEAR PROTECTION WITH OUTSTANDING DURABILITY

R.S Urethane Water-Based Topcoat is a premium two-part hybrid water-based urethane clear coating engineered to provide exceptional adhesion, abrasion resistance, and long-term protection across a wide range of residential, commercial, and industrial applications.

Developed using advanced acrylic emulsion and hybrid urethane technology, this next-generation topcoat combines the durability of traditional two-component coatings with the environmental benefits of a modern water-based formulation. The result is a crystal-clear, highly durable finish that offers excellent wear resistance while remaining extremely low in VOCs and safer for both installers and the environment.

Designed as the protective finishing coat within the R.S Water-Based Coating System, R.S Urethane Water-Based Topcoat is available in Gloss, Satin, and Matt finishes and can be used either as a standalone clear protective sealer or in conjunction with R.S Urethane Water-Based Primer/Base Coat to provide a durable, UV-stable protective overcoat.

Suitable for timber, concrete, engineered boards, countertops, PVC, steel, aluminium, previously coated surfaces, decorative coatings, and many other prepared substrates, it delivers exceptional clarity, superior adhesion, excellent flexibility, and outstanding long-term performance in both interior and exterior environments.

SURFACE PREPARATION

All substrates must be:

- Clean, dry and structurally sound
- Free from dust, grease, oils, waxes and contamination
- Properly prepared and fully cured before application

Apply within the recommended overcoat window of the R.S Urethane Water-Based Primer/Base Coat. If outside the overcoat window, lightly abrade the surface before application. Do not apply in conditions of excessive humidity or poor ventilation.

MIXING INSTRUCTIONS

- Pour the entire contents of Part B into Part A.
- Mix thoroughly for 2–3 minutes using a slow-speed drill fitted with a suitable mixing paddle until a completely uniform consistency is achieved.
- Where thinning is required for spray application, use Deionised (DI) Water only.

> **For best results, add any DI Water to Part A before introducing Part B.**

- Avoid introducing excessive air during mixing.

APPLICATION

R.S Urethane Water-Based Topcoat can be applied using:

Brush → Roller → Airless Spray

Apply a thin, even coat to produce a continuous protective film.

Avoid excessive film build, ensuring an even application across the entire surface for optimum clarity and durability.

Additional coats may be applied where increased film thickness or enhanced protection is required.

OVERCOATING

- Additional coats may be applied once the surface is touch dry.
- If the maximum overcoat window has been exceeded, lightly abrade the surface before applying additional coats to ensure optimum adhesion.

PERFORMANCE ADVANTAGES

- Outstanding adhesion to prepared surfaces
- High abrasion and scratch resistance
- Excellent stain, oil and chemical resistance
- UV stable with excellent colour retention
- Highly flexible while maintaining a tough protective finish
- Steam cleanable and easy to maintain
- Resistant to common industrial and household cleaning chemicals
- Available in Gloss, Satin and Matt finishes
- Can be used as a standalone clear sealer or protective overcoat
- Perfectly complements the R.S Urethane Water-Based Primer/Base Coat System

RECOMMENDED SYSTEM

AS A CLEAR PROTECTIVE SEALER

1. Prepare the substrate.
2. Apply R.S Urethane Water-Based Topcoat.
3. Apply additional coats where increased protection is required.

AS PART OF THE COMPLETE R.S WATER-BASED SYSTEM

1. Prepare the substrate.
2. Apply R.S Urethane Water-Based Primer/Base Coat.
3. Finish with R.S Urethane Water-Based Topcoat in Gloss, Satin or Matt.
4. Enjoy maximum abrasion resistance, UV stability and long-term protection.

KEY FEATURES

- Advanced Hybrid Water-Based Urethane Technology
- Crystal Clear Protective Finish
- Available in Gloss, Satin and Matt
- High Adhesion Performance
- Excellent Abrasion and Scratch Resistance
- Outstanding Chemical and Stain Resistance
- UV Stable and Non-Yellowing
- Extremely Low VOC Formulation
- Brush, Roller or Airless Spray Application
- Ideal Clear Sealer for Decorative and Industrial Coatings

COMMON APPLICATIONS

- DECORATIVE FLOORING SYSTEMS
- TIMBER FLOORS & FURNITURE
- COUNTERTOPS & WORKTOPS
- CONCRETE FLOORS & WALLS
- ENGINEERED BOARDS & MDF
- STEEL & ALUMINIUM
- PVC & COMPOSITE MATERIALS
- DECORATIVE PAINT SYSTEMS
- COMMERCIAL & INDUSTRIAL COATINGS
- RESIDENTIAL INTERIOR & EXTERIOR

TECHNICAL SPECIFICATIONS

Property	Specification
Product Type	Two-Part Hybrid Water-Based Acrylic Urethane Clear Topcoat
Mix Ratio	See Product Label
Hardener	R.S Urethane Hardener
Resin Density	1.10 kg/L
Coverage	Approximately 10 m²/L (depending on substrate porosity)
Minimum Recoat Time	30 Minutes
Maximum Recoat Window	36 Hours
Thinning	DI Water (if required)
Finish Options	Gloss, Satin or Matt
Colour	Crystal Clear
Pack Sizes	1L, 5L
Shelf Life	6–12 Months (Unopened)
Storage	Store in original unopened containers in cool, dry conditions

R.S Urethane Water-Based Topcoat has been engineered to deliver crystal-clear protection with outstanding durability across virtually any properly prepared substrate. Combining advanced hybrid urethane technology with a low-VOC, water-based formulation, it provides the ideal finishing coat for the complete R.S Water-Based Coating System while offering professional-grade clarity, adhesion, and long-term performance in even the most demanding commercial and industrial environments.

EXTREMELY LOW VOC · HIGH ADHESION · ABRASION & SCRATCH RESISTANT · CHEMICAL & STAIN RESISTANT · UV STABLE & NON-YELLOWING · FAST DRYING · OVER 1,000 COLOURS AVAILABLE

INFINITY EFFECTS

Developed by Infinity Effects Materials Science Division