TECHNICAL DATA SHEET

R.S.P Poly BASE COAT

HEAVY DUTY POLYASPARTIC BASE COAT RESIN

Developed by Infinity Effects Materials Science Division

ROLL IT. SPRAY IT. POUR IT.
INSTALL IT YOUR WAY — THE INFINITY WAY.

R.S.P Poly Base Coat is a premium two-part, UV-stable polyaspartic base coat engineered to deliver outstanding adhesion, durability, and performance across a wide range of decorative and industrial applications.

Developed using advanced cure technology, R.S.P Poly Base Coat provides rapid curing, excellent workability, and a fast return to service. The product is spray, roller, trowel, and pour ready straight from the mix, allowing installers complete flexibility depending on the project requirements.

For optimum performance, R.S.P Poly Base Coat should always be applied over R.S.P Primer, creating the ideal chemically bonded foundation for all R.S.P coating systems. Together they seal porous substrates, maximise adhesion, and ensure long-term durability.

Available in Black, White, Clear, and over 130 custom colours through the Infinity Effects Colour System, R.S.P Poly Base Coat gives contractors complete creative freedom without compromising speed or performance.

Whether you're coating floors, countertops, timber, concrete, walls, or engineered surfaces, R.S.P Poly Base Coat delivers professional results with exceptional chemical resistance, UV stability, and long-lasting protection.



SURFACE PREPARATION

All substrates must be:

- Clean, dry and structurally sound
- Free from dust, grease, oil, laitance and contamination
- Mechanically prepared where necessary by grinding, sanding or shot blasting

⚠ **IMPORTANT:** R.S.P Primer is mandatory before applying R.S.P Poly Base Coat by spray, pour or roller application to ensure maximum adhesion and system performance.

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 flat mixing paddle until a completely uniform mixture is achieved.
- Avoid introducing excessive air during mixing.
- Where additional working time or improved sprayability is required, Infinity Effects Extender / Spray Assist may be added. Contact your Infinity Effects representative for recommended addition rates.

APPLICATION

R.S.P Poly Base Coat can be applied using:

Roller → Brush → Spray Gun → Trowel → Pour

Apply a thin, even coat ensuring complete substrate coverage. Work the material into all pinholes and surface imperfections while avoiding excessive film build.

Highly porous substrates may require an additional coat to achieve complete sealing before applying decorative finishes.

PERFORMANCE ADVANTAGES

- Outstanding adhesion when used with R.S.P Primer
- Excellent flow and levelling
- Spray and pour ready straight from the mix
- Superior UV stability
- Excellent chemical and abrasion resistance
- Suitable for floors, countertops, timber, concrete and engineered surfaces
- Over 130 colour options through the Infinity Effects Colour System
- Compatible with decorative metallics, flakes, quartz and broadcast systems
- Professional finish with exceptional long-term durability

RECOMMENDED SYSTEM

1. Prepare the substrate.
2. Apply R.S.P Primer.
3. Apply R.S.P Poly Base Coat within the primer overcoat window.
4. Finish with the selected R.S.P decorative or protective topcoat system.

KEY FEATURES

- Advanced UV-Stable Polyaspartic Technology
- Roll, Spray, Trowel or Pour Application
- Excellent adhesion to prepared substrates
- Available in over 130 custom colours
- Suitable for residential, commercial and industrial applications
- Designed for use over R.S.P Primer
- Fast curing and rapid return to service
- Smooth contractor-friendly application
- Outstanding chemical, abrasion and UV resistance
- Compatible with Infinity Effects Extender / Spray Assist for increased work time and sprayability

COMMON APPLICATIONS

DECORATIVE FLOORING · METALLIC SYSTEMS · FLAKE FLOORING · QUARTZ SYSTEMS · COUNTERTOPS & WORKTOPS

TIMBER SURFACES · CONCRETE FLOORS · INDUSTRIAL COATINGS · COMMERCIAL FLOORS · RESIDENTIAL FLOORS

TECHNICAL SPECIFICATIONS

Property	Specification
Product Type	Two-Part UV Stable Polyaspartic Base Coat
Cure Type	Moisture Cured Polyaspartic
Mix Ratio	1 : 1
Hardener	XF-1
Density	1.06 kg/L
Coverage (Rolled)	6–8 m²/L
Coverage (Poured)	Approximately 1–2 m²/kg
Minimum Recoat Time	20 Minutes
Maximum Recoat Window	12 Hours
Solvent Content	100% Solids / Solvent Free
Colours	Clear, White, Black & 130+ Custom Colours
Pack Sizes	1kg, 5kg
Shelf Life	6 Months (Unopened)
Storage	Store in original unopened containers in cool, dry conditions

R.S.P Poly Base Coat has been engineered to provide the ultimate high-performance foundation for decorative resin flooring, countertops, industrial coatings, and specialist surface systems. Combining rapid curing, exceptional adhesion, unlimited colour possibilities, and outstanding durability, it delivers professional results across virtually any properly prepared substrate.