TECHNICAL DATA SHEET

R.S.P PRIMER

UNIVERSAL HYBRID EPOXY PRIMER

Developed by Infinity Effects Materials Science Division

INTRODUCING R.S.P UNIVERSAL PRIMER:

R.S.P Primer is a universal 100% solids hybride epoxy primer designed to create the ideal foundation for all Infinity R.S.P systems, whether for countertops or floors.

R.S.P Primer is a premium two-part Hybrid Epoxy Primer engineered to provide the ultimate foundation for the R.S.P Base Coat System. Combining advanced epoxy and polyurea technologies, it delivers exceptional adhesion, deep substrate penetration, outstanding sealing properties, and long-term durability across a wide range of substrates.

Designed as a true multi-surface primer, R.S.P Primer bonds aggressively to concrete, timber, plywood, MDF, engineered boards, countertops, tiles, and many other prepared surfaces, creating the ideal base for R.S.P Base Coat and subsequent coating systems.

Its unique formulation remains slightly tacky throughout its overcoat window, allowing R.S.P Base Coat to chemically bond with the primer, maximising intercoat adhesion and ensuring superior long-term performance.

When applied correctly to concrete substrates, R.S.P Primer also acts as an effective Moisture Vapour Barrier (MVB), helping minimise coating failures caused by residual substrate moisture.

The system is fast curing as standard while allowing installers to tailor working times to suit project conditions. Cure times can be accelerated using heat, or extended using the Infinity Effects Work Time Extender where additional application time is required.



SURFACE PREPARATION

For optimum performance, all substrates must be:

- Clean, dry and structurally sound
- Free from dust, grease, oils, curing compounds, laitance and loose material
- Mechanically prepared where required by grinding, sanding or abrasion to achieve a suitable profile

Preparation requirements vary depending on the substrate. Contact your Infinity Effects representative for substrate-specific recommendations.

MIXING INSTRUCTIONS

Add the entire contents of Part B into Part A and mix thoroughly for 60–90 seconds using a low-speed drill fitted with a suitable mixing paddle until a uniform consistency is achieved.

- Avoid introducing excessive air during mixing.
- For increased working time, Infinity Effects Work Time Extender may be used. Please consult your Infinity Effects representative for recommended dosage rates.

APPLICATION

NON-POROUS SURFACES

For surfaces such as countertops, engineered boards, tiles and other non-porous materials:

- Ensure the surface has been suitably abraded.
- Apply a thin, even coat using a non-shedding roller.
- Avoid excessive film build while ensuring complete coverage.

POROUS SURFACES

For concrete, plywood, timber, MDF and other porous substrates:

FIRST COAT (SEALER COAT)

Apply generously using a squeegee followed by back-rolling to fully seal the substrate and reduce porosity.

SECOND COAT (BOND COAT)

If the maximum overcoat window has been exceeded, apply a second thin roller coat to restore chemical adhesion before applying R.S.P Base Coat.

RECOMMENDED SYSTEM

1. Prepare the substrate.
2. Apply R.S.P Primer.
3. Allow primer to become tacky (15 minutes minimum).
4. Apply R.S.P Base Coat within the 4-hour overcoat window for optimum chemical adhesion.
5. Continue with the selected R.S.P finishing system.

KEY FEATURES

- Advanced Hybrid Epoxy Technology
- Exceptional adhesion to multiple substrates
- Ideal base coat for R.S.P Base Coat
- Suitable for concrete, timber, plywood, MDF, countertops, engineered boards and many other surfaces
- Available in Clear, White and Black
- Excellent sealing and substrate penetration
- Functions as a Moisture Vapour Barrier (MVB) on concrete
- Chemically bonds to subsequent coating layers
- Fast curing with adjustable working time

TECHNICAL SPECIFICATIONS

Property	Specification
Product Type	Two-Part Hybrid Epoxy Primer
Mix Ratio	3 : 1
Hardener	IE-2
Resin Density	1.00 kg/L
Coverage	Dependent on substrate porosity
Minimum Overcoat Time	15 Minutes
Maximum Overcoat Window	4 Hours
Solvent Content	100% Solids / Solvent Free
Colours	Clear, White, Black
Pack Sizes	1kg, 5kg
Shelf Life	6 Months (Unopened)
Storage	Store in a cool, dry place in original unopened containers

R.S.P Primer has been specifically engineered to maximise the performance, adhesion and longevity of the complete R.S.P coating system across virtually any prepared substrate.