TECHNICAL DATA SHEET

ROX Binder

UV-STABLE

2-Part Polyurethane Binder for Resin Bound Systems

High Performance | UV Stable | Sustainable | Professional Results

Surfaces Without Limits

THE NEXT GENERATION OF RESIN BOUND BINDER TECHNOLOGY

DESIGNED FOR LASTING, BEAUTIFUL SURFACES

Introducing the **Infinity Effects UV-Stable Rox Binder**: an advanced two-component solution specifically engineered for seamless decorative **stone driveways, pathways** and exterior landscaping. This cutting-edge binder harnesses groundbreaking Infinity Effects technology to deliver exceptional performance, durability and sustainability for both residential and commercial applications.

Infinity Effects UV-Stable Rox Binder System – an unrivalled fusion of cutting-edge technology, eco-friendliness, and uncompromising durability. Designed with meticulous precision, it provides a seamless, decorative flooring solution that sets new standards in performance and sustainability.



KEY BENEFITS

Cutting-Edge Durability
Exceptional wear and abrasion resistance for long-lasting surfaces.

Vertical Application
Both components can be trowelled on vertical surfaces using our THIXX Additive.

Minimised Resin Run Off
Reduces resin run-off for a stronger, more uniform system.

UV Stable
High UV resistance with UV inhibitors to protect the natural colour of the encased stone aggregate.

Weed Resistant
Prevents the growth of weeds, reducing maintenance and control efforts.

Frost Resistant
Withstands freezing temperatures without significant damage, ensuring long-term durability.

Moisture Tolerant
Endures challenging and damp conditions, delivering a dependable surface.

UV Light Technology
Extended work time in higher temperatures when shaded and strong cure in colder conditions.

Superior Adhesion
State-of-the-art adhesion additives deliver unparalleled bonding strength between binder, substrate and stone aggregates.

SUDS Compliant
Effective management of surface water runoff, reducing flood risk and minimising impact on local watercourses and infrastructure.

Slip Resistant
Enhances safety by reducing the risk of slips and falls for pedestrians and vehicles.

Seamless
Smooth and uninterrupted surface with improved aesthetics, reduced trip hazards and easy maintenance.

TYPICAL APPLICATIONS

- DRIVEWAYS & PATHWAYS
- COMMERCIAL SURFACES
- LANDSCAPING & GARDENS
- PATIOS & TERRACES
- VEHICULAR AREAS
- PUBLIC SPACES & AMENITIES

PRODUCT INFORMATION

Coverage	About 3.5 m² per 100 kg mix at 18 mm depth
Depth	15–18 mm wearing course (vehicular 18–20 mm)
Cure Time	Foot traffic after 8 hours, vehicles after 24 hours at 20°C
UV Stability	Aliphatic UV-stable binder, no yellowing
Permeability	About 850 l/m²/min, SUDS compliant
Aggregate Sizes	1–5 mm kiln-dried blends

TECHNICAL SPECIFICATIONS

Property	Value	Unit of Measure
Density (at 25°C)	1.09	g/cm³
Viscosity (at 25°C)	2600	mPas
Mix Ratio	100:95	x : x
Hardness	62	Shore D
Tensile Strength	20.3	MPa
Elongation at Break	51	%
Flexural Strength	4	MPa
Operating Temperature	-10 to +60 (±5)	°C
Curing Time (at 21°C)	60 (±10)	Minutes

RECOMMENDED SYSTEM

1. Prepare substrate.
2. Apply suitable primer (e.g. ROX Concrete Primer).
3. Mix ROX Binder with aggregate (1–5 mm) using a forced action mixer.
4. Apply, level and compact to required depth (15–18 mm).
5. Allow to cure (foot traffic 8h, vehicles 24h at 20°C).

Harnessing advanced technology, Infinity Effects UV-Stable Rox Binder delivers a seamless, durable and sustainable resin bound surface. Designed for residential and commercial applications, it combines eco-friendly principles with exceptional performance. Redefine possibilities with Infinity Effects.