INFINITY EFFECTS

SURFACES FOR A BETTER TOMORROW

INNOVATIVE
DURABLE
BEAUTIFUL
SUSTAINABLE



ROX

RESIN-BOUND

DECORATIVE DRIVE SYSTEM

PROFESSIONAL INSTALLATION GUIDE

System 1 | Vehicle-grade application over prepared concrete

POLYURETHANE SYSTEM

A premium, UV-stable resin-bound aggregate system designed for driveways, parking bays, footpaths, patios and commercial entrances.

VEHICLE GRADE

UV RESISTANT

DURABLE & ANTI-SLIP

DECORATIVE FINISH

Driveways | Parking Bays | Footpaths | Patios | Commercial Entrances

A RANGE OF NATURAL STONE BLENDS AVAILABLE

SCAN FOR LATEST TDS, SDS & SUPPORT

CERTIFIED INSTALLERS

WARRANTIED SYSTEM

SUSTAINABLE SURFACES

GLOBAL SUPPLY

BUILT FOR A BRIGHTER TOMORROW

Warrantied when installed by an Infinity Certified Installer, subject to system requirements.



System Overview

Infinity Effects Resin-Bound Decorative Drive System (System 1) is a vehicle-grade resin-bound aggregate system designed for **properly prepared concrete substrates**. The system combines ROX Concrete Primer, optional/required crack-reduction reinforcement according to substrate and traffic conditions, UV-stable ROX Binder, kiln-dried decorative aggregate and an optional ROX Rejuvenator / Sealer.

DESIGNED FOR

Car-traffic areas including driveways and parking bays, plus footpaths, patios and commercial entrance zones. The finished surface is intended to provide a durable, UV-resistant, anti-slip decorative aggregate finish.

Critical Installation Parameters

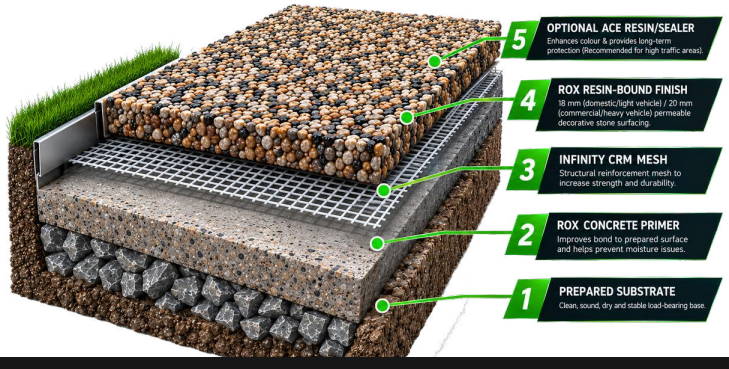
GET IT RIGHT
FOR A LONGER LASTING FINISH

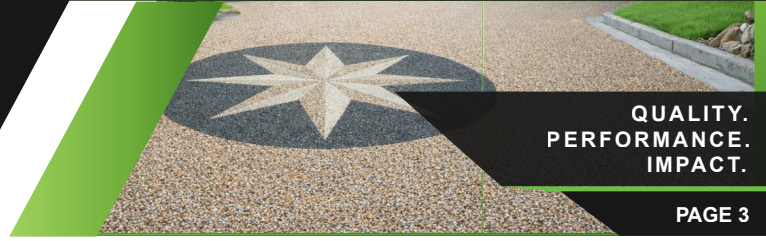
Concrete condition	Clean, dry, structurally sound and free from contamination.
Concrete moisture	Below 6% before priming.
Concrete pH	Below 10.
Recommended minimum temperature	Do not install below 5°C.
Concrete strength	25+ MPa recommended.
Aggregate	Kiln-dried only.
Mixer	120 L or larger forced-action resin-bound mixer. Do not use a cement mixer.
Vehicle-grade thickness	15-24 mm depending on aggregate size and driveway specification.
Warranty	Yes - when installed by an Infinity Certified Installer and in accordance with system requirements.

System Build-Up

A PROVEN SYSTEM
FOR LASTING RESULTS

1	**Substrate**	Prepared concrete
2	**Primer**	Infinity Effects ROX Concrete Primer
3	**Reinforcement**	Infinity Effects CRM 100 kN Mesh where specified
4	**Wearing course**	Kiln-dried decorative aggregate + UV-stable ROX Binder
5	**Optional protection**	Infinity Effects ROX Rejuvenator / Sealer





Materials, Tools & Site Setup

Prepare the complete installation kit before mixing begins. Resin-bound work depends on uninterrupted wet-edge control, so missing tools or materials can compromise the finish.

ESSENTIAL MATERIALS & TOOLS

- Pressure washer; clean cloths/rags; industrial vacuum; moisture meter.
- Mixing drills and paddle; 120 L or larger forced-action resin-bound mixer.
- Infinity Effects ROX Concrete Primer and UV-stable ROX Binder.
- Decorative kiln-dried aggregate; typically 1 x 1-3 mm (or 2-4 mm depending on supplier/system) plus 3 x 2-6 mm.
- Optional 4-5 kg binding quartz per 100 kg aggregate mix.
- Optional Infinity Effects anti-slip glass beads.
- Infinity Effects ROX Rejuvenator / Sealer.
- Infinity Effects CRM Mesh; masking tape; plastic sheeting.
- Resin trowels/floats/steel floats; Infinity Effects Safe Solvent or suitable trowel lubricant.
- Expansion-joint foam or joint tape; aluminium trims.

PREPARE. PLAN. PROTECT.
HAVING EVERYTHING ON SITE BEFORE YOU START ENSURES A SMOOTH, HIGH-QUALITY INSTALL.



OPTIONAL EQUIPMENT

- Mixing tent/canopy for humid, hot or changeable weather.
- Forced-air heater for cold conditions.
- Primer/binder accelerator or ROX Catalyst where specified.
- Mechanical surface grinder or diamond floor preparation machine.



SITE RULE

Do not begin if rain is forecast. Keep resin and aggregates at a stable temperature, protect the working area, and ensure all aggregate is completely kiln-dried.

RIGHT CONDITIONS BETTER RESULTS



INFINITY ROX RESIN-BOUND DECORATIVE DRIVE SYSTEM

Stage 1 - Substrate Preparation

A properly prepared substrate is essential for a long-lasting, high-performance resin-bound surface.

01



Clean & Wash the Concrete

Pressure wash thoroughly. Remove dirt, moss, algae, oils, tyre marks and other contamination. Allow the slab to dry completely and inspect for signs of rising moisture.

02



Inspect & Repair

Check cracks, spalled/loose material, depressions, movement joints and weak or powdery concrete. Fill cracks with suitable repair mortar, patch flush, grind high spots and allow repairs to cure fully.

03



Check Moisture & pH

Before priming, confirm concrete moisture below 6% and pH is below 10.
If moisture is high, allow additional drying and improve airflow.
Never install onto damp or green concrete.

04



Mechanical Preparation

Where required, mechanically abrade or diamond-grind to remove laitance, sealers and weak layers. Vacuum thoroughly. The final profile must be clean, open and textured for primer penetration.

05



Mask & Protect

Protect walls, edging stones, drain covers, garage doors and landscaping using masking tape and plastic sheeting.
Define clean edges before resin work begins.

DO NOT PROCEED

If the substrate is not clean, dry, structurally sound and within the recommended moisture and pH levels.

**PREPARE
CORRECT
INSTALL
WITH CONFIDENCE**



INFINITY ROX RESIN-BOUND DECORATIVE DRIVE SYSTEM

Stage 2 - Apply ROX Concrete Primer

ROX Concrete Primer is designed to penetrate and seal the prepared concrete, improving adhesion and reducing the risk of pinholes or de-bonding.

01



Final Clean

Ensure the surface is clean, dry, dust free and prepared as per Stage 1. Remove any remaining dust with a brush or vacuum.

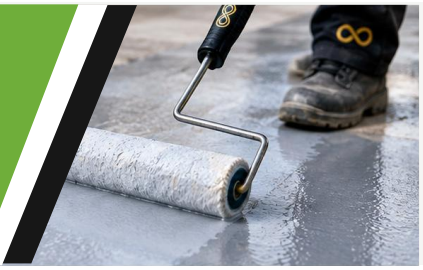
02



Mix the Primer

Stir ROX Concrete Primer thoroughly using a mechanical mixer until a consistent mix is achieved. Do not thin unless specified in the TDS.

03



Apply the Primer

Apply evenly using a roller, brush or spray, working into the surface. Ensure full coverage with no puddles. Maintain a wet edge.

04



Allow to Cure

Allow the primer to cure as per the product TDS and site conditions before proceeding to the next stage. Ensure the surface is tack free.



IMPROVES ADHESION
For a stronger, longer lasting finish

DEEP PENETRATION
Seals and stabilises the surface

REDUCES PINHOLES
Helps prevent de-bonding

SUITABLE FOR EXTERNAL USE
Driveways, patios, paths and commercial areas

TOP TIPS

- Ensure concrete moisture is below 6% and pH is below 10.
- Use clean, dry application equipment.
- Apply at recommended temperatures (not below 5°C).
- Do not allow puddles or thick areas to form.
- Allow to fully cure before installing reinforcement or wearing course.

TYPICAL CURE TIME
Refer to product TDS for full details.

ALWAYS REFER TO THE ROX CONCRETE PRIMER TDS
for full application instructions, coverage rates and technical data.



INFINITY ROX RESIN-BOUND DECORATIVE DRIVE SYSTEM

Stage 3 - Install Reinforcement Mesh

Infinity Effects CRM 100 kN Mesh is used where specified to help reduce the risk of reflective cracking and provide additional strength and stability to the finished surface.



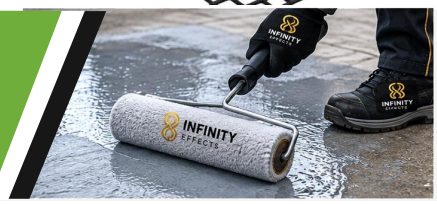
INFINITY EFFECTS
CRM 100 kN MESH

High strength reinforcement mesh for resin-bound installations.

- ADDS STRENGTH
- REDUCES CRACKING
- LONG LASTING RESULTS

TYPICALLY USED FOR

- Driveways
- Parking bays
- High traffic areas
- Large areas
- Areas prone to movement
- Commercial entrances



01

Ensure Primer is Tacky

Install the mesh while the ROX Concrete Primer is still wet and tacky. Do not allow the primer to fully cure.



02

Roll Out the Mesh

Roll out Infinity Effects CRM 100 kN Mesh over the primed surface. Ensure the mesh is laid flat with no folds or wrinkles.



03

Overlap Joints

Overlap all joints by a minimum of 50-100 mm to ensure full coverage and stability.



04

Trim to Edges

Cut the mesh to fit around edges, drain covers and manholes. Ensure full coverage of the area to be coated.



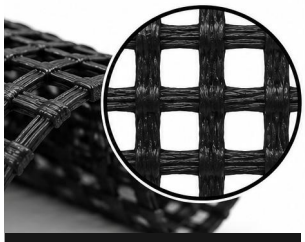
05

Embed and Secure

Gently press the mesh into the wet primer using a roller or float to ensure full contact. The mesh should be fully embedded and lying flat.

KEY POINTS

- **Install into wet and tacky primer**
- **Overlap joints 50-100 mm**
- **Cut neatly around edges and fittings**
- **Ensure mesh is flat with no wrinkles**



INFINITY QUALITY

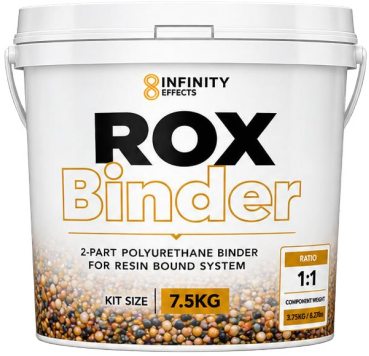
Part of a complete system for stronger, longer lasting resin-bound surfaces.



INFINITY ROX RESIN-BOUND DECORATIVE DRIVE SYSTEM

Stage 4 - Mix & Apply Wearing Course

The wearing course combines kiln-dried decorative aggregate with UV-stable ROX Binder to create a strong, durable and visually stunning resin-bound surface.



PREMIUM RESULTS

A perfect blend of strength, durability and natural beauty for driveways, pathways, patios and commercial areas.

- UV STABLE
- HIGH STRENGTH
- NATURAL FINISH

TYPICAL AGGREGATE BLEND



1 x 1-3 mm
(or 2-4 mm)

3 x 2-6 mm

Use kiln-dried aggregate only.
Optional 4-5 kg binding quartz per 100 kg mix.

01 Add Aggregate to Mixer



Add the correct amount of kiln-dried decorative aggregate to a 120 L or larger forced-action resin-bound mixer. Do not use a cement mixer.

02 Add ROX Binder



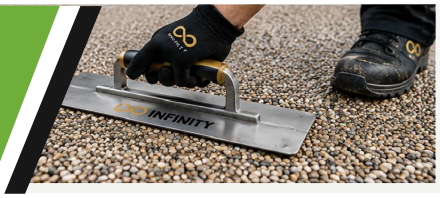
Add the pre-mixed ROX Binder to the aggregate and mix thoroughly until all stones are evenly coated. Mix for the recommended time to achieve a consistent, uniform finish.

03 Apply the Mix



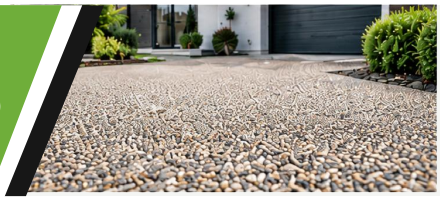
Discharge the mixed material onto the prepared area and spread evenly to the required thickness (typically 15-24 mm depending on aggregate size and specification).

04 Trowel to Finish



Use resin trowels or steel floats to compact and smooth the surface, ensuring an even, consistent finish. Use a suitable trowel lubricant such as Infinity Effects Safe Solvent.

05 Allow to Cure



Allow the surface to cure as per the ROX Binder TDS and site conditions before proceeding to optional ROX Rejuvenator / Sealer.

MIXER REQUIREMENT

120 L or larger forced-action mixer

MIXING TIPS

- Mix until all stones are coated
- Maintain a consistent mix time
- Do not over mix
- Keep a wet edge during installation

TYPICAL THICKNESS

15 - 24 mm
(depending on aggregate size and driveway specification)

OPTIONAL ADDITIVES

- 4-5 kg binding quartz per 100 kg
- Anti-slip glass beads
- ROX Catalyst (where specified)

PROFESSIONAL FINISH

Durable. UV resistant. Anti-slip. Built to last.



INFINITY ROX RESIN-BOUND DECORATIVE DRIVE SYSTEM

Stage 5 - Optional ROX Rejuvenator / Sealer

Infinity Effects ROX Rejuvenator / Sealer is an optional final step designed to enhance the appearance, help protect the surface and extend the life of your resin-bound installation.



ENHANCE. PROTECT. EXTEND.

ROX Rejuvenator helps maintain the natural beauty of your resin-bound surface, providing long-term protection against UV, weathering and everyday traffic.

- UV PROTECTION
- LONGER LASTING
- ENHANCES APPEARANCE

IDEAL FOR

- Driveways
- Parking bays
- Footpaths
- Patios
- Commercial entrances
- New or existing resin-bound surfaces

RESTORES & REFRESHES

Helps maintain colour and keeps your surface looking its best.



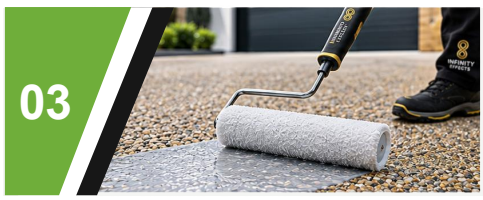
Clean the Surface

Ensure the surface is clean, dry and free from dust, dirt and any loose debris. Use a brush or blower.



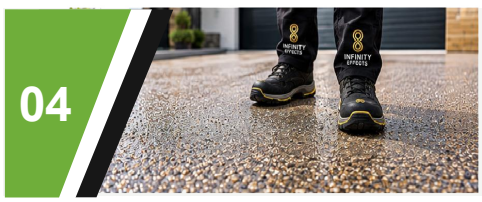
Stir the Product

Stir ROX Rejuvenator thoroughly before use to ensure a consistent mix. Do not dilute unless specified in the product TDS.



Apply Evenly

Apply using a roller, brush or spray, working evenly across the surface. Ensure full coverage without overgassing or puddles.



Allow to Dry

Allow the sealer to dry as per the product TDS and site conditions before allowing foot or vehicle traffic.



Enjoy the Results

Your resin-bound surface is now protected, refreshed and ready to perform.

TOP TIPS

- Apply in dry weather conditions.
- Ensure the surface is completely clean and dry.
- Use at the recommended temperature range (refer to TDS).
- Apply a thin, even coat.
- Do not over-apply.
- Allow full cure time before heavy use.





INFINITY ROX RESIN-BOUND DECORATIVE DRIVE SYSTEM

Stage 6 - Curing, Protection & Aftercare

Correct curing and aftercare are essential to achieve maximum performance, durability and a long-lasting, beautiful finish.

01



Initial Cure

Allow the surface to cure as per the ROX Binder TDS and site conditions. Keep free from foot traffic during the initial cure period.

02



Vehicle Traffic

Do not allow vehicle traffic until the system has fully cured. Typical cure time is 24-48 hours at 20°C, but refer to product TDS for exact times based on temperature.

03



Protect During Cure

Keep the finished surface clean and protected from rain, heavy moisture, contamination and mechanical damage during the curing period.

04



Routine Cleaning

Keep the surface clean by regular sweeping and occasional washing with clean water. Remove dirt, leaves and debris to maintain appearance and drainage.

05



Deep Cleaning

Use a pressure washer on a low to medium setting (max 150 bar) with a fan nozzle. Keep the lance at least 300 mm from the surface.

06



Rejuvenate When Needed

To refresh the appearance and maintain long-term protection, apply Infinity Effects ROX Rejuvenator / Sealer as required. Follow the product TDS for application instructions.

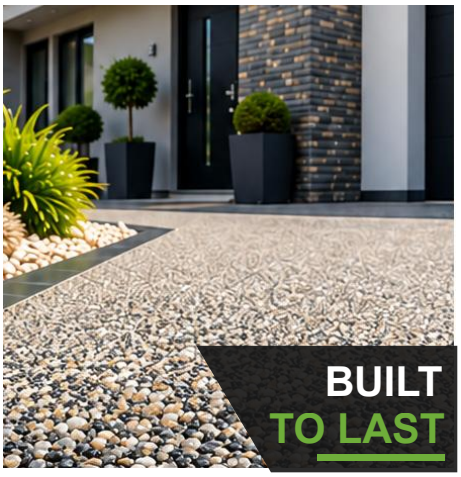
TYPICAL CURE TIMES (AT 20°C)

Foot traffic	**6 - 12 hours**
Light traffic	**24 hours**
Vehicle traffic	**24 - 48 hours**
Full chemical cure	**5 - 7 days**

i Cure times may vary depending on temperature, humidity and aggregate type. Always refer to the product TDS.

KEY AFTERCARE TIPS

- Keep the surface clean and free from debris
- Remove stains as soon as possible
- Use a pH neutral cleaner where required
- Avoid harsh chemicals and solvents
- Reapply ROX Rejuvenator / Sealer as needed
- Inspect regularly for damage or wear



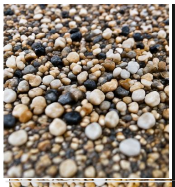


INFINITY ROX RESIN-BOUND DECORATIVE DRIVE SYSTEM

Troubleshooting & FAQs

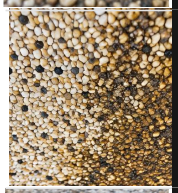
Helpful guidance to achieve the best results with your Infinity ROX Resin-Bound system.

COMMON ISSUES & SOLUTIONS



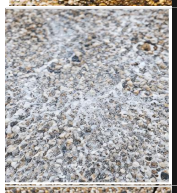
LOOSE STONES

Cause: Insufficient binder, poor mixing or inadequate compaction.
Solution: Ensure correct mix ratio, mix thoroughly and compact properly with a steel float or trowel.



PATCHY APPEARANCE

Cause: Uneven mixing, inconsistent application or variations in aggregate.
Solution: Maintain consistent mixing time and apply evenly. Use materials from the same batch where possible.



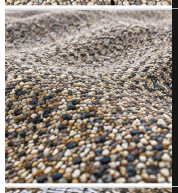
WHITENING (HAZE)

Cause: Moisture during curing or low temperatures.
Solution: Avoid application in damp conditions. Ensure correct temperature and allow full cure time.



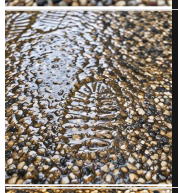
CRACKING

Cause: Movement in the substrate, insufficient mesh or incorrect installation.
Solution: Use CRM 100 kN mesh where required and ensure a stable, well-prepared base with movement joints.



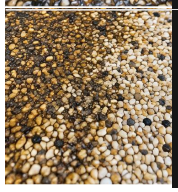
UNEVEN SURFACE

Cause: Inconsistent application or insufficient compaction.
Solution: Apply to a consistent thickness and compact evenly across the surface.



STICKY SURFACE

Cause: Incorrect mix ratio, low temperatures or insufficient curing time.
Solution: Follow the TDS mix ratios and allow full cure time. Avoid application below 5°C.



DISCOLOURATIO / STAINING

Cause: Contamination, leaf stains, oil or chemical spills.
Solution: Clean promptly using a pH neutral cleaner. For long-term protection, apply ROX Rejuvenator / Sealer.

FREQUENTLY ASKED QUESTIONS

Q **Can ROX be installed in all weather conditions?**

A ROX should not be installed in wet conditions or if rain is expected. Recommended temperature range is 5°C - 30°C.

Q **How thick should the system be?**

A Typical thickness is 15 - 24 mm depending on aggregate size and application.

Q **Do I need to use mesh?**

A CRM 100 kN mesh is recommended where specified, especially over concrete, to reduce the risk of cracking.

Q **Can ROX be applied to existing surfaces?**

A Yes, providing the surface is sound, stable and properly prepared. Always follow the preparation and priming steps in the TDS.

Q **How long does it take to cure?**

A Initial cure: 6 - 12 hours (at 20°C).
Light traffic: 24 hours.
Vehicle traffic: 24 - 48 hours.
Full chemical cure: 5 - 7 days.

Q **Do I need to apply a sealer?**

A Sealing with ROX Rejuvenator is optional but recommended to enhance colour, protect the surface and make cleaning easier.

Q **How do I clean and maintain the surface?**

A Regularly sweep and wash with clean water. Use a pH neutral cleaner for general maintenance. Avoid harsh chemicals.

NEED MORE HELP?

For further technical support, please refer to the full product TDS, contact our technical team or visit our website.

Technical Support
info@infinity-effects.com
www.infinityeffects.com



INFINITY ROX RESIN-BOUND DECORATIVE DRIVE SYSTEM

Installer Notes & Disclaimers

Important information for installers to ensure the best results, safety and long-lasting performance with the Infinity ROX Resin-Bound System.

INSTALLER RESPONSIBILITY

It is the responsibility of the installer to ensure the product is suitable for the intended application. Installers must follow this TDS, use correct techniques and comply with all relevant industry standards and local regulations.

SITE CONDITIONS

Ensure the substrate is sound, clean, dry and properly prepared. Do not install in unsuitable weather conditions (e.g. heavy rain, standing water or temperatures outside 5°C - 30°C). Monitor temperature, humidity and dew point during installation.

TEMPERATURE & WEATHER

Recommended application temperature range is 5°C - 30°C. Avoid installation in direct sunlight, high winds, frost or when rain is expected. Low temperatures will extend cure times, while high temperatures may reduce working time.

MIXING & APPLICATION

Follow the recommended mix ratios and mixing times as stated in the product TDS. Use a forced-action mixer for best results. Ensure aggregate is fully coated and applied at the correct thickness. Do not add water or other substances to the binder.

PERSONAL PROTECTION

Always wear appropriate PPE including gloves, safety glasses, protective clothing and a dust mask when handling aggregates. Refer to the relevant Safety Data Sheets (SDS) for full health and safety information.

MAINTENANCE

Regular cleaning will help maintain the appearance and performance of the surface. Use a pH neutral cleaner and avoid harsh chemicals. Apply Infinity ROX Rejuvenator / Sealer as required to enhance colour and extend the life of the installation.

LIMITATIONS

Infinity ROX is designed for external use on suitable substrates. It is not recommended for areas subject to chemical spillage, constant immersion, or movement in the substrate. Not suitable for internal applications unless specifically stated.

> "PREPARE CORRECTLY. INSTALL CONFIDENTLY. ENJOY FOR YEARS."

DISCLAIMER

The information provided in this document is given in good faith and is based on our current knowledge and experience. Infinity Effects cannot be held responsible for any loss or damage arising from the use of this product as conditions of use are beyond our control.

It is the installer's responsibility to ensure the product is suitable for the intended application and that the installation is carried out in accordance with this TDS, the relevant Safety Data Sheets (SDS) and all applicable local regulations and standards.

Infinity Effects reserves the right to amend product specifications without prior notice. This document supersedes all previous versions.

FURTHER SUPPORT

For additional technical support, training or advice, please contact our team or visit our website.

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