

TriDrive UV Resistant Resin Bound Paving System

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Description of the Product

The TriDrive UV Resistant Resin Bound Paving System is a high performance, two-component, UV stable, solvent-free system that is SUDs (Sustainable Urban Drainage system) complaint when mixed with aggregate blends. Once cured with aggregate blends, provides an attractive and durable finish for a range of uses.

Fields of Application

By mixing natural aggregates (1-3 or 2-5 mm) i.e., marble, natural stone and quartz to create a decorative, self-draining floor for interior and exterior uses:

- Driveways,
- Paths, terraces & patios,
- Tree bases/pits,
- Swimming pool surrounds,
- SUDs areas.

Advantages

- Solvent free,
- High strength system,
- UV stable,
- Porous & SUDs compliant.

Technical Properties

Physical Properties

QUALITY (23°C, 50% RH)	VALUE	STANDARD & METHOD
Appearance	Component A: Transparent, Liquid	-
	Component B: Transparent, Liquid	
Density (gr/m3)	Mix A + B: 1.10 ± 0.05	EN ISO 2811-1
Solid Substance (wt%)	100	EN ISO 3251

Mechanical Properties

QUALITY (23 °C, 50 % RH, 7 Days)	VALUE	STANDARD & METHOD
Compressive Strength (N/mm2)	>60	EN ISO 196
Bending Strength (N/mm2)	>15	EN ISO 196
Taber Abrasion Resistance (CS 10/1000/1000)	>60	ISO 5470-1
Adhesion Resistance (N/mm2)	>2	EN 1542 / ASTM D 4541
Hardness (Shore d)	>50	EN ISO 868 / ASTM 2240

Technical Properties after Application and Curing

QUALITY (23 °C, 50 % RH, 7 Days)	VALUE	STANDARD & METHOD
Mixture Rate	50:50	-
Mixture Life (minute)	30	as A + B mix in 100 gr
Full Curing (days)	7	at 23 °C – 50% RH
Opening to Light Traffic (days)	1	at 23 °C – 50% RH

Application

Surface Information:

The concrete/asphalt sub-base surface must be capable of bearing loads, free of cracks, be clean, dry and free from contamination/laitance. To increase the adhesion of the system to the concrete use a polyurethane impregnation primer. It is important to ensure that the substrate is dry prior to application to 75% RH and free from rising damp.

Installation:

TriDrive UV Resistant Resin Bound Paving System installation should be carried out by an applicator with documented quality assurance and experience. It is important that all natural aggregates provided by third parties must be kiln dried.

Cleaning of Tools:

With thinners or white spirit.

Storage

Shelf life from date of production, when stored in original, unopened containers. Thereafter, the product quality must be re-inspected. Storage at elevated temperatures may reduce shelf life. For advice, please consult Tricel Composites.

Storage conditions:

Product must be stored according to local legislation, at a maximum 40°C (104°F), without direct sunlight and protected from rain and snow.