

RESIN BONDED DRIVEWAY SYSTEM



DESCRIPTION

Resin Bonded System system designed for the incorporation of graded aggregate within its surface to provide a high durability slip resistant surface with excellent chemical resistance.

TYPICAL INSTALLATIONS

- ◆ Domestic Driveways & Paths
- ◆ Landscape scheme's
- ◆ Disabled Ramps
- ◆ Tree Pits
- ◆ Heritage Sites

Standard Colour Chart



GOLDEN PEA



RED



ROSE



AUTUMN
QUARTZ



DALTEX
GREEN



SILVER



DALTEX
BLACK



DALTEX
WHITE FLINT

SUBSTRATES

Tarmac & Concrete,

APPLICATION CONDITIONS

5°C -25°C. Ideally 20°C. If possible protect from adverse weather conditions during early cure stages.

CURE SCHEDULE

Initial film set time at 20°C	- 30 mins
Cure to light foot traffic at 20°C	- 2 hours
Cure to heavy foot traffic at 20°C	- 4 hours
Full cure to chemical resistance at 20°C	- 4 days
Pot life of full 25kg mix at 20°C	- 10-15 mins

The applied colours may differ slightly from the examples shown above. Contact our customer services for a true colour sample or a special colour match. Special corporate colours and designs can be produced to special order.

DRIVEWAY RESIN—BONDED SYSTEM

CHEMICAL RESISTANCE

Excellent resistances to a wide range of industrial chemicals and cleaning agents.

TECHNICAL DATA

Compressive strength	- 37-42N/mm ²
Flexural strength	- 35-40N/mm ²
Slant shear bond strength	- 30N/mm ²
Heat distortion temperature	- 50°C
Abrasion resistance (binder only)	- 3mg loss/1000 cycle at 1kg load with CS17 wheels.

	WET	DRY
Skid resistance (binder only)	40-48	80-90
RRL pendulum		
"Tortus" tester	0.6-0.7	0.5
Coefficient of friction	0.45	0.85

Slip resistance factors have been quoted for the resin system only as differing sizes and types of aggregate will cause significant variation in values and in the instance of highly profiled applications, testing will not be possible.

SPECIFICATION

Surface must be clean and dry and of strong construction for the intended use. New surfaces should be left for a minimum of four weeks for moisture or oils to cure out. If in doubt as to surface strength a core sample should be taken. Macadam and asphalt should be laid up to a 6mm or 10mm close graded wearing course. Concrete surfaces should be abraded or erected to remove laitance (the dusty material on the surface of new concrete). Bond PU Primer applied at 4m² per kg by roller.

New Macadam or Asphalt should be sealed with an acrylic mixture to seal the interstices between the stone to stop the resin soaking away as it is applied.

The resin is thoroughly mixed with the hardener using a drill and paddle. The resin is then poured across the surface at a rate determined by the aggregate size. The resin is spread using a serrated squeegee.

As the serrations fall from the resin the aggregate is gently scattered in until the resin is saturated, if any resin is seen to bleed through more aggregate is scattered on.

The following day the excess aggregate is swept off to reveal a finish which has the appearance of loose aggregate but is durably stuck in place.

CLEANING AND MAINTENANCE

Normal Use

Quattro Contracting (Pen) Ltd driveway resin surfaces are intended to be used by normal pedestrian or vehicular traffic for which they have been designed. Protection should be provided wherever possible against abnormal usage.

Abnormal Use

Heavy objects, such as waste skips, should not be dragged across the surface and protection should be provided during building and construction work to avoid unsightly contamination from the following:-

- ✦ Oil
- ✦ Grease
- ✦ Cement
- ✦ Dirt

Also spillages of oil and solvent should be avoided where possible as these will soften the binder which will cause damage.

Routine Maintenance

Keep the surface swept clean with a stiff broom and hose with clean water.

Moss and Algae Growth

Weed growth should be treated prior to surfacing and it is highly unlikely that any new growth will be sustained. Periodical use of algae killer in accordance with the manufacturer's instructions will remove and prevent any re-growth. After use of any algae killer the driveway must be cleaned and well rinsed with clean water.

Ice or Frost on the surface

The removal of ice or frost from the surface can be achieved by the application of salt; the area can also be treated with salt to prevent freezing occurring. When the weather has returned to normal all driveway surfaces must be hosed clean to remove salt from surface.

CLEANING

Washing can be carried out using a portable pressure washer (up to 150 bar rating) to remove dirt, grime and moss. Only cold water should be used and the water lance must be kept at least 20 cm from the surface and a fan type jet used.

Cement or Concrete Marks

Cement or concrete marks can be removed with careful use of dilute hydrochloric acid or a proprietary cement remover, immediately followed by a thorough rinsing with clean water.

(Please note – that if a lime based aggregate has been used, the acid will tend to dissolve this as well).