

Clearstone

resin bound paving

Aesthetic, durable permeable paving

Clearstone Paving specialises in strong, stylish and eco-friendly **resin bound paving systems** with many applications

Why choose resin bound paving?

Resin bound paving consists of aggregate material set in a polymer resin to create a smooth, tough, water-permeable surface. Environmentally sensitive, long-lasting and attractive in appearance, resin bound paving from Clearstone Paving offers a wide range of benefits.

Innovative and flexible

Available in numerous UV-stable colours and textures, resin bound paving from Clearstone Paving can be matched to any environment. We use natural materials such as real gravel, shingle or crushed granite. Our system even lends itself to creative designs: unlike traditional paving, it can be laid in any number of non-standard patterns and configurations.

Low maintenance and eco-friendly

Clearstone Paving offers a choice of standard resin bound paving or eco resin bound paving. Our eco option is made from recycled tyre rubber. Both systems allow water to drain naturally through the surface and are tough enough to withstand high-pressure washing: this will keep the paving pristine and weed-free.

From new builds to renovations

Resin bound paving from Clearstone Paving is well suited to new-build projects which require a sleek, modern look. We can also lay surfaces which blend perfectly with existing buildings and their surroundings - enhancing an old property which requires gentle renovation, or giving an instant facelift to a building which is being totally reinvented.

Heritage sites and listed buildings

English Heritage has approved resin bound paving systems for use in historic or prestige environments. With a wide range of natural colours to choose from, Clearstone Paving can create a surface which is sympathetic to any location.

Porosity

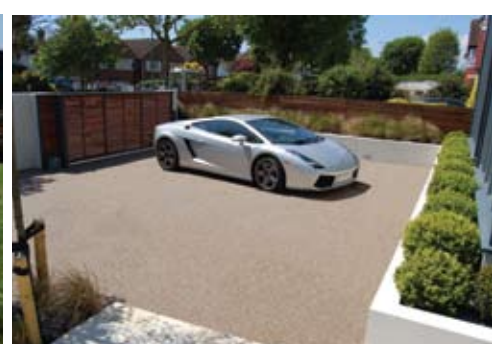
Resin bound paving is porous, making it highly suitable for garden paths, tree-pits, driveways and any areas which may be prone to standing water. The aggregate and resin mix has open voids across its surface, allowing air to flow freely and surface water to filter through the structure.

For surveys, quotations and technical advice, call **01273 358177**

or email new@clearstonepaving.co.uk

Visit our website for project details and technical downloads clearstonepaving.co.uk

All the images in this brochure show recent Clearstone Paving projects





Our services

Clearstone Paving offers a **fully bespoke service for each client and every project**, working in partnership with architects, project managers, specifiers, private individuals or third party firms. We aim to understand your specific needs and deploy our expertise and familiarity with resin bound paving systems to guarantee quality solutions, delivered on time and to budget. We commit to a fully professional approach and work to a very high standard.

Site survey and CAD plans

However detailed your requirements, Clearstone Paving will work with you to achieve your vision. We have the in-house expertise to conduct full site surveys, produce accurate sketch-up and CAD plans.

Creative design bespoke service

We love to work with imaginative designs. Throw us your ideas, be they curves, letters, numbers or even images, and wait for us to realise your plan.

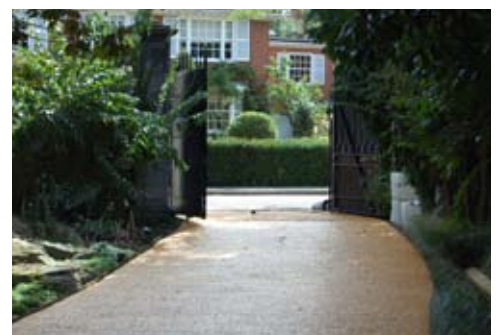
Features of resin bound paving

- Quick and easy to install.
- Seamless and flexible.
- Hard wearing for extra long life.
- Can be laid over existing tarmac and concrete surfaces.
- Colour fast and UV stable, so colours remain true in sunlight.
- Extremely resistant to most chemicals, including petrol, diesel and oil.
- Smooth surface with no loose stones, so ideal for wheelchair, pushchair and bicycle access.
- Designs can feature curves, patterns, motifs, letters and numbers.
- Gravel and shingle colours and texture can be chosen to complement any building.
- Low maintenance - can be power washed.
- Wards off weeds, unlike with block paving, you can easily brush weeds away. That's because their roots can only grow a few millimetres.
- Porous surface allows water to filter away to the water table so complying with SUDs regulations.

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Specification and Installation

Interested in superior finish and design flexibility? Clearstone Paving offers an aesthetically-interesting alternative to conventional paving, with an exciting range of natural materials, colours and textures.

What is resin bound (or “trowelled”) paving?

Resin bound paving is made from gravel, shingle or crushed granite coated with a clear UV-stable polymer resin. To ensure that each aggregate particle is completely coated in resin, the two elements are pushed through a force-action mix process to form a cold-pour mixture. The mixture is then poured and hand-trowelled to form a smooth, accurate surface with no loose stones.

What is resin bonded (or “scattercoat”) paving?

Resin bonded paving is made by sprinkling loose aggregate onto resin. It's a great, low-cost option for redevelopment projects or for giving a driveway an instant facelift. However, it's not as durable as resin bound paving: the bonded aggregate particles may loosen over time and the surface is not as easy to clean.

What kind of resin is used?

Clearstone Paving uses specially formulated UV-stable aliphatic resins which produce a degree of flexibility and 'give', so slight ground movement can be tolerated. Being clear and UV-stable, they will not discolour or spoil the appearance of the natural aggregate.

Please visit our website clearstonepaving.co.uk to **download** detailed **technical data** including diagrams, information on the bases required and details of how to specify the resin bound paving process.

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Clearstone Paving installing easylay™ at the Royal Ballet, Richmond Park, Surrey.

What colours are available?

Clearstone Paving offers a wide choice of colours of naturally-sourced gravel, shingle and granite aggregate (see examples on this page).

In conservation areas, a bespoke suitable aggregate colour mixture can be prepared to work sensitively with the immediate environment, complementing architectural features or the broader historical context.

Where can resin paving systems be used?

- Driveways and small car parks with light traffic
- Courtyards, terraces and garden paths
- Roof gardens
- Tree pits
- School playgrounds
- Decorative paved areas
- Heritage sites
- Regeneration projects
- Swimming pool and hot tub surrounds
- Conservatories and show rooms

Choosing a resin bound paving system

Clearstone RBA resin bound paving

Requires an asphalt or concrete base

Existing driveway, path or paved area

- Resin bound paving can be laid on an existing concrete or asphalt surface providing it is in reasonable condition (e.g. only minor cracks)

New driveway, path or paved area

- For a new paved surface with MOT type 3 sub-base, we recommend the installation of an open binder course base of porous asphalt, which will allow water to drain through. Resin bound paving can then be laid on top.

easylay™ eco paving

The advantage of easylay™ is that it does not require a concrete or asphalt base and can be laid directly on a consolidated MOT type 3 sub-base

Made from recycled materials

- easylay™ is a highly eco-friendly resin bound paving product whose main component is recycled tyre rubber crumb, combined with a finishing layer of aggregate, which may also be recycled; these are bound in specially formulated resin

Completely porous

- easylay™ is compliant with all SUDS (Sustainable Underground Drainage Systems) regulations



Clearstone Paving Limited are approved installer for the easylay™ system

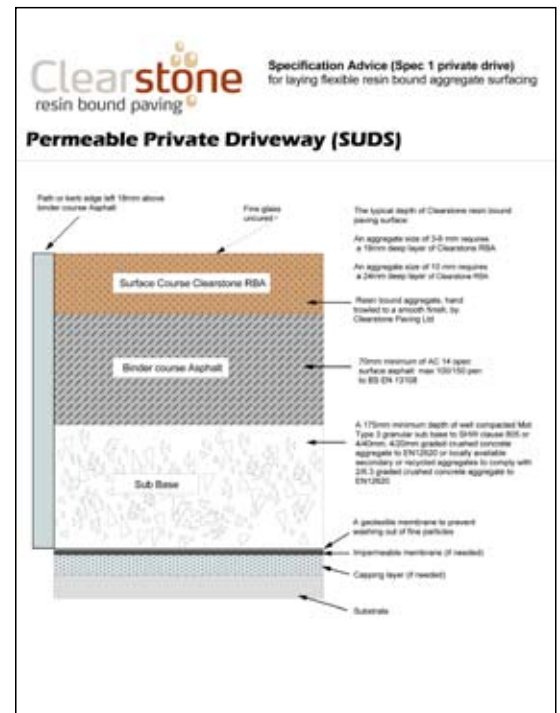


Image: example of a specification document

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