

**Resin Surfacing
Systems**



Marking the future with you





Marking the future with you

We are Geveko Markings



We supply all the materials required, for you to create stunning, decorative resin surfaces.

Why work with us

-  **Quality first**, an accredited ISO 9001:2015 manufacturer.
-  **Global presence** with sales representatives in over 80 countries.
-  **Brand and heritage**, we have a long history in the manufacture of resin binders and we know what's important to our customers.
-  **Strong product portfolio**, we have an excellent portfolio of high quality products for resin surfacing applications.
-  **High customer satisfaction**, we pride ourselves on our customer service and have achieved an excellent Net Promoter Score of 53*. We are well-known for our superior customer service and technical support.

*Based on customer satisfaction survey in 2017

Geveko Markings is a leading manufacturer and supplier of a full range of materials for road markings and horizontal decorative applications. In addition to road marking materials, Geveko Markings supply all the materials required to create stunning resin paving and decorative surfaces. We manufacture both bound and bonded resin systems which are available in a wide range of aggregate finishes.

Resin surfacing is a beautiful, modern alternative to traditional paving products, which has increased in popularity for use in public spaces, commercial and retail areas, domestic driveways and paths. Our resin bound and bonded systems are designed and manufactured by ourselves giving us extensive expertise and

knowledge in our products. We also have a team of specialist laboratory chemists on hand to advise our customers whenever the need arises.

Our success is built on a strong reputation for developing innovative products with exceptional performance and operating a policy of continual research and development. All of our products are designed to offer customer, easier, safer, more qualitative and durable solutions – and we add value through close cooperation and strong partnership with customers, specifiers and authorities.

Devoted to creating the most efficient solutions for you

The journey so far

- 1924 - 1930**
 - 1924: AB Geveko founded in Gothenburg, Sweden by Gunnar Bergendahl, as a manufacturer of asphalt
- 1940 - 1970**
 - 1946: focus changed to manufacturing road marking materials
 - Thermoplastics materials developed
 - Europe's recovery during the 1950's and increasing car use drives growth
- 1980 - 1999**
 - 1980: PREMARK® preformed thermoplastic developed
 - AB Geveko listed on Stockholm Stock Exchange in 1983
 - 1988: acquired LKF Vejmarkering A/S and Cleanosol AB
 - Domestic and international growth during the 80's and 90's
 - AB Geveko acquired Plastiroute GmbH in Germany
- 2000 - 2015**
 - Expansion to Eastern Europe
 - Offers products in 18 countries and has 6 production facilities across Europe
 - 2004: AB Geveko expanded Cleanosol by acquiring NCC Roads
 - 2007: acquired AllGlass Ltd in Scotland
- 2015 +**
 - AB Geveko acquired by Solix
 - Delisted from Stock Exchange
 - New strategic agenda initiated - with focus on manufacturing of marking materials
 - Name changed to Geveko Markings
 - US entity established
 - Established presence in Africa
 - 2018: acquired Adbruf in the UK
 - 2019: acquired Reflective Road Safety Products Pty Ltd in Australia

Second to none service

Our commitment to our customers is key



At Geveko Markings we aim to be the best marking material supplier in the eyes of our customers. We put great emphasis on working closely with our customers, so that we can deliver superior service and make sure that our products and solutions fulfill their expectations. Whatever your request may be, we hope you let our dedicated specialists help and support you along the way.

Sales



From initial consulting and throughout the sales process, our team of inhouse experts is ready to take your orders and help you with any queries. We pride ourselves in being a pro-active and service-minded organisation who take ownership in securing an easy and hassle-free process for our customers.

Customer relations



We have our own sales representatives in more than 20 countries. Our local presence secures an understanding of language, behaviour and cultural differences. We have been in the business for many years and intend to be around for many more. This means that we have a long-term perspective and focus on having equally long-term relations with our customers.

Technical support



Be it technical support to increase application efficiency, professional product training or aftersales support and claim handling assistance, our on-site lab technicians are on hand to help you with technical queries of any kind.

Delivery terms and logistics



As a customer, it is crucial that you can rely on your deliveries. At Geveko Markings, we focus on fast delivery, and on firm agreements for precise delivery. Our commitment, forecasting system and strong supply chain help secure an optimal logistics setup and a high level of supply safety.

Paving the way

Researching and developing products of the future



A quality formulation

All our polyurethane resin binders are bespoke, being designed by our research and development team to provide you with the very best-performing resin binders in the industry. We design and test with our contractors' needs at the heart of our system.

Our whole manufacturing process is conducted with an emphasis around the quality of the product. At every stage in the process quality is locked in with all our manufacturing conducted to rigorous BS ISO9001:2015 standards.

Our raw materials are responsibly sourced from around the world using our global network of established suppliers to ensure security of supply, consistency and traceability which we maintain throughout the whole manufacturing process.

Our quality control team painstakingly oversee production, with full lab testing being undertaken on every batch, in our dedicated laboratory, to ensure the quality of our resin exceeds our rigorous standards well before it is released to our customers.

Tried and tested

Our products are developed and manufactured to the highest quality with our customers in mind. We are continually developing our material to meet customer requirements for durable and long-lasting products.

We have a dedicated Research and Development laboratory where all our products are designed, tried and tested before we make them available to our customers. Products also undergo rigorous trials such as;

- Testing tensile strength of cured resin
- Accelerated UV testing
- Power steering simulation

Our products are designed and manufactured to the highest quality with our customers in mind

Bound or bonded

We manufacture two types of resin binders systems, bound and bonded



Our materials are available in two grades of resin binder;

Aliphatic, UV stable resin binders

Aliphatic resins are clear and UV stable so that after exposure to sunlight your final surface is not affected by colour change. A UV stable resin can be used with a wide range of aggregate finishes and is highly recommended when using light coloured aggregate.

Our GeoPave EzFloat is Aliphatic, it has been extensively tested and offers exceptional UV stability as well as ease of application.

Aromatic resin binders

Aromatic binders gradually deepens in colour over time after exposure to sunlight, even so, it is cost-effective and a very durable product. It is very suited for use with golden coloured and darker shades of aggregate where the change will be less noticeable.

Our GeoPave resin is aromatic, it is a strong, reliable product that is ideal for use where UV stability is less of an issue.

Resin bound systems

In a bound system, the aggregate and resin binder are combined so that the aggregate is coated with resin. It is then applied to a prepared surface using a hand trowel. The aggregates bind together and are fixed in place by the adhesive nature of the resin. This gives a very smooth finish that is ideal for pedestrian areas and disabled access. Also, resin bound paving has a permeable surface and can be installed as part of a SuDS compliant installation where it helps prevent water pooling as well as the hazards of puddles and formation of ice.



Resin bonded systems

In a bonded system, a coating of resin is applied to the surface and aggregate is then scattered over it. Once cured the adhesive bonds the chosen aggregate to the surface. A resin bonded system is ideal for refurbishment projects such as heritage sites. The use of specific aggregate makes it perfect for higher traffic areas or areas that require skid resistance.



Resin bound paving

Combining durability and performance with visual appeal



A stylish and modern alternative to traditional paving



Benefits of resin bound paving material

- Permeable - SuDS compliant
- Easy to maintain
- Restricts weed growth
- Incorporate design elements
- Natural looking finish
- Non-UV and UV resistant grades
- Cost-effective
- Quick-hardening
- Durable and strong

Application areas

- Pathways
- Driveways
- Parks
- Tree pits
- Swimming pool surrounds
- Pedestrian areas
- Patios
- Courtyards
- Internally e.g. bathrooms

GeoPave is a resin paving system that combines durability and performance with visual appeal. Achieved by the combination of a resin binder and selected natural aggregates, GeoPave produces a decorative and permeable surface that is hard-wearing and requires very little maintenance.

Available in a range of colours and textures from blends of specially selected aggregate of varying sizes and colours. Couple this with the potential to use design elements such as block pavers and edging and GeoPave provides an extensive range of options for designing within the built environment.

GeoPave - Aromatic

GeoPave is a two-component bespoke polyurethane resin binder that is highly durable. It is a neutral, amber colour that is suitable for buff, yellow and brown aggregates. Through the effects of sunlight, there will be some warming of the binder colour in the early life of the finished system.

GeoPave EzFloat - Aliphatic

Designed for ease of installation, GeoPave EzFloat has a consistency that allows a free-flowing application even at lower temperatures.

It is exceptionally resistant to discolouration after exposure to light and is suitable for a wide range of aggregates that will create a natural looking, decorative finish.

Paving for the built environment

Safe and environmentally conscious paving systems



Sustainable drainage systems (SuDS)

The Flood and Water Management Act introduced in the UK in 2010, it was intended as a response to the widespread flooding of 2007 when more than 55,000 homes and businesses were flooded. The flooding was largely caused by surface water run off overloading drainage systems. The Act requires better management of flood risk, it creates safeguards against rises in the surface water drainage charges and protects water supplies for consumers.

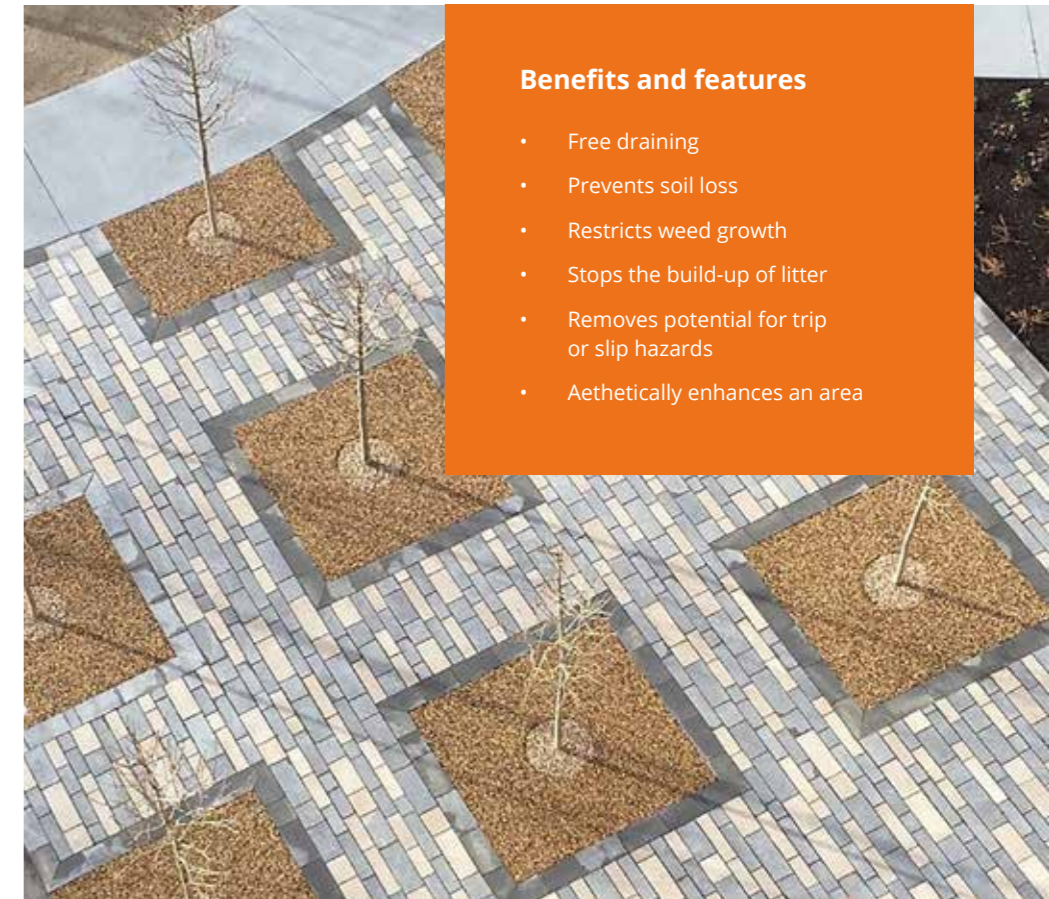
In natural environments, rain falls on permeable surfaces and soaks into the ground, this is a process called infiltration. In built-up, urban areas where many surfaces are sealed by buildings and paving, natural infiltration is limited. Instead, drainage networks consisting of pipes and culverts, divert surface water to local watercourses. In some areas, this has resulted in downstream flooding and deterioration in river water quality caused when foul sewers are overwhelmed by surface water leading to the overflow of dirty water into rivers.

Resin bound tree pits

Paving and hard landscaping works frequently require additional specialist treatment to ensure that the area immediately around trees (tree pits), in public landscaping are free-draining, yet solid, sound and strong enough to allow inevitable foot traffic.

GeoPave resin bound surfacing is ideal for tree pit application, as it removes any potential slip or trip hazards, prevents the loss of soil or growing media and stops the build-up of rubbish and litter around the trees. Using a resin bound system can also aesthetically enhance an area and can complement the surrounding paving, according to a specifiers requirement.

The open texture achieved with GeoPave resin bound systems provides a highly porous surface, allowing the tree roots access to both air and water penetration. Installed with a suitable base build-up and configured for SuDS (Sustainable Drainage Systems) compliance, will avoid the cost of having to install expensive drainage systems.



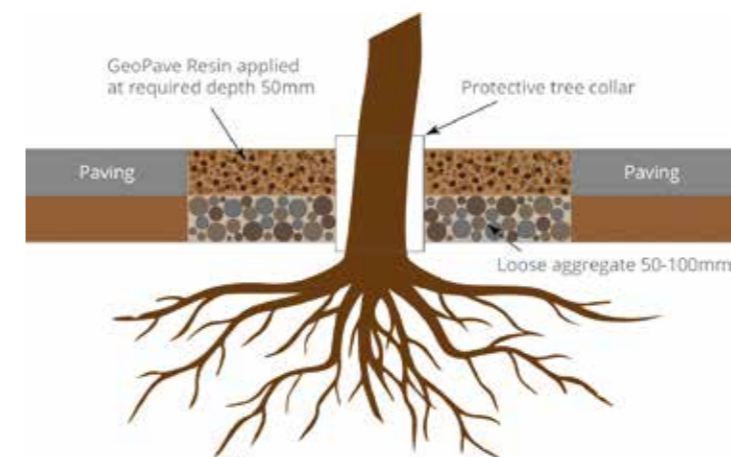
Benefits and features

- Free draining
- Prevents soil loss
- Restricts weed growth
- Stops the build-up of litter
- Removes potential for trip or slip hazards
- Aesthetically enhances an area

SuDS compliant

The GeoPave range of resin bound surfacing can be used as part of a SuDS scheme, it provides a water-permeable surface when laid on a porous substrate such as an open grade binder asphalt.

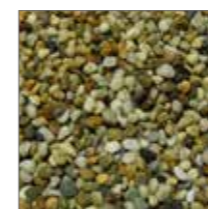
Once installed, GeoPave has open voids across the surface, allowing surface water to filter through, making it an ideal permeable system for driveways, paths, tree pits and areas prone to standing water thus making it SuDS compliant. The use of permeable paving also prevents water pooling on impermeable surfaces, avoiding the hazards of puddles and the formation of ice.



Application

Tree pit systems are normally applied directly onto the firmly compacted soil, in which the tree was planted. It is recommended that trees should be planted and anchored in urban tree soil or similar, on top of that the build-up consists of a minimum 50mm base layer that is produced with compacted sand and gravel chippings, which is followed by a minimum 50mm layer of GeoPave resin bound material.

Tree pit edges can be finished with a hard-paved outer edging and should have a protective tree collar, or another suitable edge, that is sufficiently offset from the tree to allow for the tree's anticipated future growth - especially when saplings are being planted.



Dorset Gold



Red Granite



Silver Grey



Golden Pea



Rhine Gold

Design elements

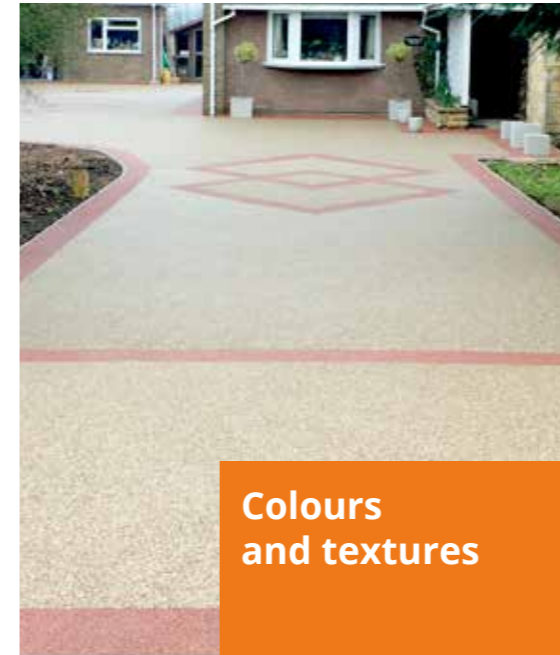
A versatile paving system for decorative features



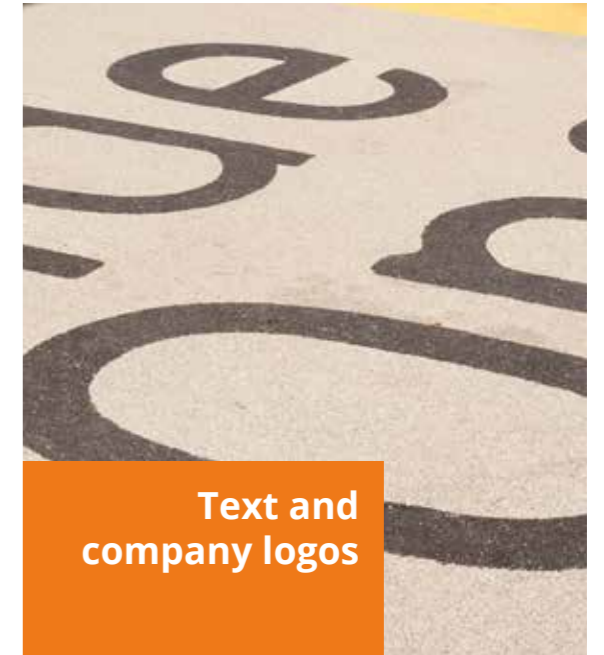
Resin bound paving systems are very versatile and can be used to create a multitude of different designs, shapes and patterns. By using edging, either made from flexible metal or decorative stone pavers combined with a choice of colours and textures from our wide selection of aggregate mix designs, you get the opportunity to create unique surface patterns and text.

Our aggregates are selected for their appearance and performance and are tested to ensure that they are able to withstand the stresses that surfaces are placed under by the constant use of pedestrians and vehicles.

If you are in doubt and are wondering what aggregate will be suitable for your project, we are able to advise you. We have a wide range of natural aggregate mix designs available.



Colours and textures



Text and company logos



Decorative edging



Shapes and patterns

Aggregate mix designs

Resin bound paving systems



SAND DUNE

Just like natural sand dunes our mix contains a blend of creams and whites with hints of dark brown and grey.



OATMEAL

A delicate cream coloured mix design using marble aggregate.



MAIZE

A bright aggregate mix of white and cream marble in a blend of 2-5mm and 1-3mm sizes.



COTSWOLD

Inspired by the villages of the Cotswolds this finish offers the perfect blend of aggregates to produce a natural finish.



Aggregate suitable for



Pedestrians



Cycleways



Light to medium traffic



Ezfloat Resin Binder



Non-UV Resin Binder

NORDIC PEARL

A delicate aggregate mix of subtle cool tones that would look fantastic around a swimming pool.



SEA FOAM

A fusion of gentle browns, greys and white stones resulting in a lovely finish similar to when a tide recedes from a pebble beach.



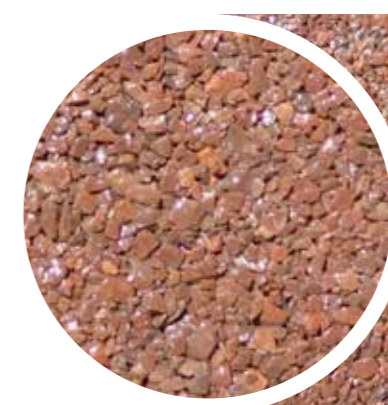
SUNSET ROSE

An attractive and rich mix design with warm tones and highlights of red.



TIMELESS TERRACOTTA

This aggregate mix works well used as a design element to compliment another mix and also looks great on its own.



Aggregate mix designs

Resin bound paving systems



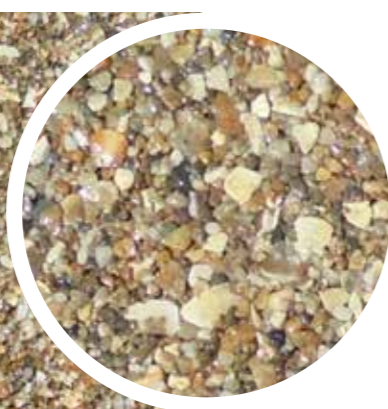
CALIFORNIA GOLD

A warm gold blend of natural aggregates, it will be summer all year round wherever you use this mix design.



RIVERBED

A natural mix of aggregates that reflects the pebbles you find below the clear waters of streams and rivers.



AMBER

A rustic and warm aggregate mix using angular and round stones for a natural texture.



ANGULAR BUFF

A popular choice for all locations where a slightly darker but traditional looking finish is desired.



Aggregate suitable for



Pedestrians



Cycleways



Light to medium traffic



Ezfloat Resin Binder



Non-UV Resin Binder

SILVER BLUE

A beautiful and modern mix design, this finish will add glamour to any application and will compliment our other grey/black mix designs.



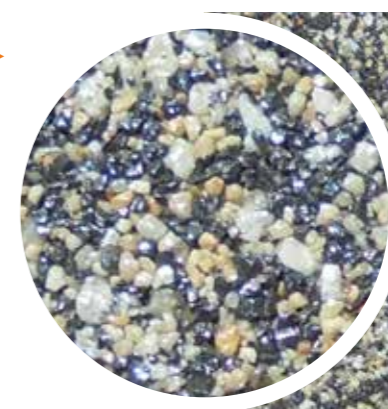
STERLING SILVER

Add a bit of glitz, this design combines a bright white aggregate with flecks of black for a shimmering effect. (75kg mix)



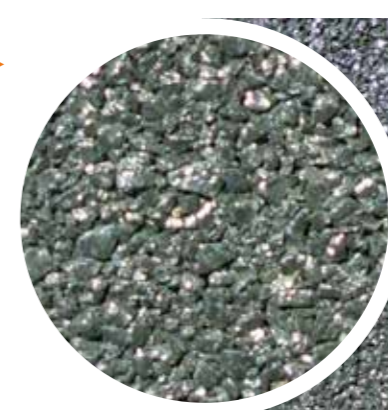
STARDUST

Our black mix integrated with lighter aggregate similar to what you would see in a star-filled night sky.



JET BLACK

A black mix that is ideal for use on modern applications on its own or as part of a decorative design.



Application of resin bound paving

A brief guide



1) Mixing - the binder

The following is a brief guide to the application of a resin bound paving systems. Full application details are available and should be read prior to application.

Resin binders come as two components, three if you choose to use additional catalyst to accelerate curing. Using a drill with a spiral mixing blade, start to mix the base component (Part A) in its pail, if using Ezfloat this is the point where you would add the catalyst. Combine the base and the activator (Part B) mixing continuously to ensure that all material has been included from the sides and bottom of the container.

Catalyst (only required for the EzFloat resin binder)

Hardening of GeoPave EzFloat is progressive. A small quantity of catalyst is included in the binder components at the time of manufacture to ensure that curing will occur. However, in many situations a faster cure may be required, particularly in cold conditions. For this reason, Geveko Markings supplies a separate catalyst, Catalyst VA5.

Contact Geveko Markings for guidance on catalyst levels.



2) Mixing - the aggregate

Combining the resin binder and aggregate should be carried out using a forced action mixer. The dry aggregate should be mixed, initially, for no more than 5 seconds to combine aggregate types. Then you are able to pour in the mixed GeoPave resin and combine with the aggregate for up to 2 minutes, until evenly coated.

It is **important to ensure** that the mixing times for each batch are identical. If a batch is left in the mixer for longer than others it will be subjected to higher shear and can appear darker when installed. The curing process will start to occur as soon as the binder components are combined. Immediately after mixing, it is important that a quick and efficient routine is taken to ensure the prompt laying and installation.



3) Application

Once the mixed material has been placed on the pre-prepared surface, level the material using a flat-bladed squeegee allowing an excess depth that can be compacted to the required finished depth.

The installer must ensure that the material is compacted to a thickness capable of withstanding the expected loads and traffic levels. Using a hand applied, double-ended trowel compress the mixed material, smoothing out any irregularities, to the required depth. In order to ensure that the correct depth and spread rate is achieved, battens of the required thickness can be used to gauge the depth. It is essential that the GeoPave surfaces are well compacted during installation to ensure a good bond between the graded aggregates.

It is essential that resin surfacing should not be laid during wet weather and this should be avoided at all costs. If it starts to rain during application all work must be stopped and any surface that has been laid should be covered.



Base build-up

Pedestrian pathway - asphalt	
12mm GeoPave	
40mm - suitable, well-compacted asphalt binder course (base course)	
50-100mm Type 1 (DoT Clause 803)	
Pedestrian pathway - concrete	
12mm GeoPave	
75-100mm C25/30 (BS 8500) min	

Light traffic areas - asphalt	
25mm GeoPave	
35mm - suitable, well-compacted asphalt binder course (base course)	
65mm - 28mm asphalt base course (BS 4987 Part 2:2001 Clause 7.3)	
100-200mm Type 1 (DoT Clause 803)	
25mm GeoPave	
Light traffic areas - concrete	
150-200mm C25/30 (BS 8500) min	
25mm GeoPave	

All base build-up details are intended as a guide only and the information stated does not constitute a specification.

Coverage

Location	Suggested min. depth	Approx coverage*
Pedestrian only areas	12mm	5m ²
Light use driveways	18mm	3.3m ²
Light traffic areas	25mm	2.4m ²

*Approx per 1 pack of resin and 100kg specified aggregate. Based on a normal stress mix.



Resin bonded paving

Rejuvenates and enhances public spaces



A highly durable and decorative surface material for all traffic types

The perfect choice for refurbishment projects in heritage and conservation areas, rejuvenating public spaces and enhancing driveways. A quick and easy to install system that creates an attractive, highly durable surface, ideal for all traffic types.

Specially formulated for use in resin bonded surfacing, our Adtex resin bonded systems are easy to install. Simply apply the resin binder to a base surface, such as asphalt or concrete, then broadcast a layer of specially selected, natural aggregates over the wet resin.

The wide range of aggregate colours and shapes available offers the potential to introduce design elements. We also have a range of colour pigment packs that can be added to the binder, to add a splash of colour to the finished system.

Aftercare is not always necessary for resin bonded paving, although it is normal for the surface to shed loosely bonded aggregate for a period of time after application, this can just be swept away. Loose detritus such as leaves and mud should be removed as soon as possible either by a light pressure washing or sweeping. Geveko Markings also



Benefits of resin bonded paving material

- Aesthetically pleasing
- Highly durable
- Suitable for heritage or new build sites
- Quick hardening
- Bonds to a wide range of substrates
- Long lasting
- Low maintenance
- Easy to install
- Anti-slip

Application areas

- Pathways
- Cycleways
- Driveways
- Heritage sites
- Parks
- Parking bays

supply an easy to apply glaze coat for resin surfaces that will rejuvenate and protect the surface - please see page 33 for more information.

Adtex

Our Adtex resin bonded binder is part of a new generation of specialist two part, solvent-free polyurethane resins. Like our GeoPave resins, Adtex shares many of the same environmental benefits, primary being sustainable and derived from natural resin.

Our hybrid resin system is designed specifically by our team of chemists and

has undergone extensive testing and development to provide our customers with an industry leading solution which is both easy to apply and offers a very high strength binder for bonded applications.

Design elements

Create unique surface patterns, shapes and text



Just like our resin bound systems, resin bonded paving systems is a versatile material. The wide selection of aggregate colours and textures available from Geveko Markings, gives you the opportunity to create unique surface patterns, shapes and text. You can combine other paving materials and edging that will compliment the aggregate for additional detailing.

Our aggregates are selected for their appearance and performance and are tested to ensure that they are able to withstand the stresses that surfaces are placed under by the constant use of pedestrians and vehicles. For areas that require a high friction surface, we have a selection of calcined bauxites.

We have a range of aggregates available from natural aggregates to pigment coated, with the option to create bespoke colours. If you are in doubt about what aggregate will be suitable for your project, we are able to advise.

Colour coated aggregate

Colourgrip is a range of high performance colour coated aggregates used as the dressing in conjunction with cold curing resin systems such as Coldgrip (for highway applications) or Adtex.

Where underfoot safety is important, Colourgrip's colour coated aggregates offer high slip resistance in colours that

can either highlight hazardous areas or be used as a design element in a decorative surface.

Pigment packs

Geveko Markings has a range of pigment packs that can be added to the Adtex binder prior to installation, and when combined with coloured aggregate can further enhance the appearance of a finished surface.

Benefits and features

- Strong and light-stable colours
- Bespoke colours available
- Traffic or pedestrian grade aggregate size
- Highly durable
- Weather resistant
- Skid and slip resistant grades



Colourgrip for highways

Our traffic grade 1-3mm calcined bauxite aggregate from the Colourgrip range will provide a vivid, high-friction surface complying with Clause 924 of the Specification for Highway Works when used as a component of a BBA/HAPAS approved high friction surfacing system (HFS) such as Coldgrip (See our Road Marking and Safety Surfacing brochure for more details).



Aggregate mix designs

Resin bonded paving systems



◀ SILVER GREY GRANITE ▶

Available in 1-3mm aggregate size.



◀ CHINESE BUFF BAUXITE ▶

Available in traffic grade 1-3mm and pedestrian grade 0.9-1.4mm.



◀ CHINESE GREY BAUXITE ▶

Available in traffic grade 1-3mm and pedestrian grade 0.9-1.4mm.



◀ DANISH QUARTZ ▶

Available in 1-3mm aggregate size.



Aggregate suitable for



Pedestrians



Light to medium traffic



Heavy traffic

GOLDEN PEA ▶

Available in 1-3mm aggregate size.



GREEN GRANITE ▶

Available in traffic grade 1-3mm and pedestrian grade 1-2mm.



GUYANAN BAUXITE ▶

Available in traffic grade 1-3mm and pedestrian grade 0.9-1.4mm.



RED GRANITE ▶

Available in traffic grade 1-3mm and pedestrian grade 1-2mm.



Aggregate mix designs

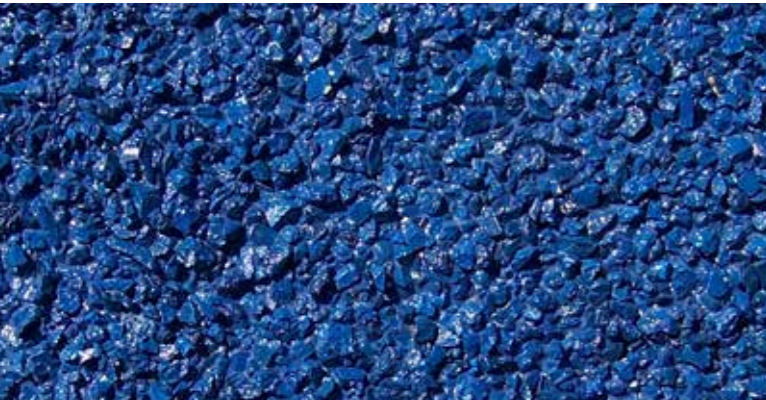
Resin bonded paving systems



BLACK

Available in bauxite, traffic grade 1-3mm and pedestrian grade 0.9-1.4mm.

Available in granite, traffic grade 1-3mm and pedestrian grade 1-2mm.



STRONG BLUE

Available in bauxite, traffic grade 1-3mm and pedestrian grade 0.9-1.4mm.

Available in granite, traffic grade 1-3mm and pedestrian grade 1-2mm.



BOLD RED

Available in bauxite, traffic grade 1-3mm and pedestrian grade 0.9-1.4mm.

Available in granite, traffic grade 1-3mm and pedestrian grade 1-2mm.



VENETIAN RED

Available in bauxite, traffic grade 1-3mm and pedestrian grade 0.9-1.4mm.

Available in granite, traffic grade 1-3mm and pedestrian grade 1-2mm.



Aggregate suitable for



Pedestrians



Light to medium traffic



Heavy traffic

LEMON YELLOW

Available in bauxite, traffic grade 1-3mm and pedestrian grade 0.9-1.4mm.

Available in granite, traffic grade 1-3mm and pedestrian grade 1-2mm.



EMERALD GREEN

Available in bauxite, traffic grade 1-3mm and pedestrian grade 0.9-1.4mm.

Available in granite, traffic grade 1-3mm and pedestrian grade 1-2mm.



YELLOW GREEN

Available in bauxite, traffic grade 1-3mm and pedestrian grade 0.9-1.4mm.

Available in granite, traffic grade 1-3mm and pedestrian grade 1-2mm.



DEEP CHROME GREEN

Available in bauxite, traffic grade 1-3mm and pedestrian grade 0.9-1.4mm.

Available in granite, traffic grade 1-3mm and pedestrian grade 1-2mm.



Application of resin bonded paving

A brief guide



The following is a brief guide to the application of resin bonded paving systems. Full application details are available and must be read prior to application.



1) Pre-application

It is important that the substrate that you are applying the resin binder to is sound, clean, contamination free and suitable for purpose. Any depressions/pot holes etc. must be remedied. Deep depressions or potholes will result in the formation of mounds or ridges in the final surface. These can be regulated by scraping a coat of Adtex over the surface and allowing it to cure prior to application. Alternatively, we can supply Void Filler - a product that will regulate the surface.



2) Mixing

Using a drill and paddle, blend the total content of activator (Pack B) into the base material. Mix both components thoroughly until homogeneous ensuring all material from the sides and bottom of the drum is included.



3) Application

Aggregate bags should be placed at regular intervals along the edge of the installation site. Pour mixed material onto the surface in rows and immediately squeegee out, using a serrated squeegee. Having applied the resin, broadcast aggregate onto the surface ensuring that the resin is totally blinded by aggregate. If an adjoining area is to be treated, leave a wet edge and apply the contents of the next pack as soon as possible to avoid "day joints".

When the material has set, normally after approximately 1 hour at 20°C, the excess aggregates can then be removed by light brushing. After 2-3 hours, more rigorous hand brushing can be employed or a vacuum suction method used.

Base build-up

Asphalt	
Adtex	
Void Filler <i>To fill surface voids</i>	
40mm - suitable, well-compacted asphalt binder course (base course)	
50-100mm Type 1 (DoT Clause 803)	
Concrete	
Adtex	
75-100mm C25/30 (BS 8500) min	

All base build-up details are intended as a guide only and the information stated does not constitute a specification.



Adtex
Eden Project, Cornwall



Adtex
Cheddington Manor, Buckinghamshire



GeoPave
Sunningdale



GeoPave
Chelsea Royal Hospital



GeoPave
Centenary Quay, Southampton



GeoPave
Buckingham Palace



GeoPave
Kings Cross, London



GeoPave
Cambridge

Windsor Castle, Flamingo Land, Hampton Court Flower Show, Chessington Community College and much more!

Case studies

Resin bonded and bound installation projects



Eden Project, Cornwall

Nestled in a former clay pit in Cornwall, the Eden Project is a unique and visually stunning place consisting of beautiful gardens and massive Biomes. With over 1 million visitors each year, the large network of paved pathways in the gardens have been submitted to its fair share of wear and tear since its opening in 2001.

In replacement of the tarmac, used for the pathways, the Eden Project required a material that was aesthetically pleasing to the eye, blended well with the garden environment, and was durable with anti-slip properties. Our Adtex resin system was chosen as it fit the bill perfectly on all accounts. What also appealed to the Eden Project was the fact that our Polyurethane resin binder used in our resin system is made with plant-based materials. This meant that the material supported their strong ethos regarding sustainability and the concern with which they choose their materials.

The application method of Adtex meant there was no need to dig up existing pavements, providing a cost effective and instant change to the paths. The range of aggregate colours available gave the Eden Project flexibility to be creative and add fun to the paths in several different locations. One example is in the Western Australia garden, in one of the Biomes, where Adtex was used in a range of coloured aggregate to produce Aboriginal inspired patterns.



Olympic Park, London

Since the Olympic Games in 2012, the Queen Elizabeth Olympic Park has undergone a programme of extensive regeneration. The Park's ethos is to promote a healthy and sustainable lifestyle which encourages walking and cycling through safe and pleasant routes across the park.

In 2018, our customer CCE returned for Phase 2 of the resurfacing works. Based on the success of the project in Phase 1, they used Adtex for the bonded surfaces and GeoPave, for the resin bound surface areas. Since phase 1, CCE have replaced an area of approximately 13,000m² with Resin Bound and 2,000m² with Resin Bonded Surfacing, along the paths and bridges of the Park.

The parkwide re-surfacing project is steadily replacing the original surface at the park. This is essential to enhancing visitor experience at the park, replacing the existing surface dressing in areas where it has gone into decline with the aim to increase the aesthetic look and accessibility of the park.



Pre-treatments and aftercare

For resin bonded and bound applications



Void Filler

Cement based texture regulating system

For resin bonded surfacing, the texture depth of the surface has a direct bearing on the quantity of resin required to bond aggregate to the substrate. Void Filler regulates the surface and imparts an even surface on which the resin applied can be accurately predicted and costed.

Benefits and features

- Regulates and standardises the substrate
- Cost-effective
- Suitable for asphalt, macadam and concrete surfaces
- Supplied in kit form
- Excellent adhesion

Application method

- Ensure suitable gloves and eye protection are worn as for other cementitious materials.
- Pour all of Part B into an empty pail and, whilst mixing, gradually pour all the contents of Part A into the pail and mix until smooth and homogeneous.
- Pour the mixed material onto the prepared surface/substrate and using a foam or flat-bladed squeegee, spread the Void Filler over the surface so that it fills the negative texture but does not build up its own film thickness on the surface.
- For full application details see the technical data sheet.



Primer C

Ensuring good surface bond for resin bonded systems

Primer C is a moisture cure polyurethane primer. It has been formulated principally as a primer for Geveko Markings Colourplus, Coldgrip and Adtex products. The low viscosity of Primer C permits deep penetration into dense surfaces, thereby ensuring a good bond.

Benefits and features

- Excellent adhesion
- Low cost
- Good coverage
- Flexible
- Fast drying
- Easy to apply

Application method

- Application should be by brush or roller. Spraying is not recommended because of the health hazard and the difficulty of cleaning equipment. Clean equipment thoroughly before Primer C has cured.
- In order to ensure good adhesion, it is essential that any further coatings are applied whilst Primer C is still tacky.
- If Primer C has been allowed to dry hard (after approx 24 hours), it will require thorough abrasion before further coatings can be applied. It is always advisable to try a test area before proceeding with the main application.
- For full application details see the technical data sheet.

Resin surface aftercare

How to keep a resin surface looking great

Regular cleaning

The FeRFA Guide to Resin Bound Systems for External Applications

Regular appropriate cleaning of surfacing materials will contribute to the durability of the surfacing. As with any surfacing material, resin bound surfacing should be cleaned regularly and as frequently as necessary to maintain its appearance. Sweep with a broom to remove leaves, paper etc. Use water as necessary to wash the surface and

only use cleaning products when water and a sweeping brush are insufficient for cleaning the surface. The use of abrasive pads and wire brushes should be avoided.

Using the surface

Resin bound surfacing is designed to be used by pedestrians and by light vehicles up to 7.5 tonnes gross weight. Resin bonded surfacing should be considered for heavier vehicle loads and for highways. Protect the

surface from damage caused by equipment such as vehicle jacks, skips etc. and from abrasion by dragging of heavy objects. Protect the surface from liquids and other materials which may stain or affect the surface such as hydraulic fluids, petrol, oil, diesel, paints, chewing gum, cement etc.



Removing biological growth

After brushing off biological growth, remove remaining moss, algae, lichen from the surface with a proprietary fungicide. Flushing with clean water may not be necessary and may affect the long term effectiveness of the treatment. Follow the instructions of the manufacturer and abide by local regulations with regard to the use of chemicals. Periodic use of a fungicide may be necessary.

Chewing gum removal

Chewing gum can be removed by scraping or chipping or using proprietary local "spot" removal solutions or by employing a commercial cleaning company. Take care not to dislodge aggregate.

Power washing

If power washing the surface, use only sufficient water pressure to remove dirt or contamination. Use cold water only (maximum 40°C) with a fan jet, maintaining at least 300mm between the lance and the surface, holding the lance at an angle of approximately 45°. Avoid concentration of the jet on one area by using a sweeping action from side to side.

Removing oil stains

Use a proprietary degreasing material and scrub into the surface with a broom. Ingrained stains may require the degreaser to be left in place for some time to allow the product to penetrate the deposit before flushing. Several applications of degreaser may be required for full removal.

Removing tyre marks

Where tyre marks have been left by vehicles depositing rubber onto the surface we recommend the use of a proprietary tyre mark remover.

Removing cement stains

Use a proprietary acid based concrete/ mortar cleaner and neutralise immediately after removal of the stain using copious amounts of clean water. A discrete test patch should be chosen for a trial before general use. Manufacturer's application instructions and health and safety guidance must be followed.

Resin surfacing training

In-depth training course for resin bonded and bound applications

A beautiful, modern alternative to traditional paving, resin surfacing products have increased in popularity for use in public spaces, commercial and retail areas, domestic driveways and paths.

Using our extensive knowledge and experience in resin paving systems Geveko Markings, in conjunction with Ferfa, have developed a resin training course. Whether you are new to resin paving or an experienced contractor our training course gives you in-depth knowledge of resin binders, on-site safety and application, including hands on experience with both the bound and bonded materials.

Our training academy is ideal for: specialist resin surfacing contractors, paving contractors, landscaping contractors, civil engineering contractors, specifiers and other interested parties.



Our resin training offers you:

- A clear understanding of what resin systems are and the difference between resin bound (trowel-applied) and resin bonded (broadcast).
- On hand technical advice.
- Advice on PPE and health and safety on-site.
- An in depth knowledge of how to prepare a surface ready for installation.
- An insight on how flexible resin paving is when creating stylish and decorative surfaces.
- An awareness of the issues that you may face when approaching an installation and how best to deal with them.
- Hands-on training, a feel for the products and experience in laying both Adtex and GeoPave resin systems.

“I had a really informative day, being able to get hands on with the products has given me the confidence to make resin bound and bonded surfacing a part of my business.”



Geveko Markings UK, Gibbs Marsh Trading Estate, Stalbridge, Dorset, DT10 2RX, UK
T: 01963 362640 • E: sales@gevekomarkings.co.uk • www.geveko-markings.co.uk

This product information is correct at the time of going to press. It is the policy of the company to improve products as part of our development programme. Therefore, we reserve the right to alter any information without prior notice.

Any illustrations and diagrams are reproduced within the limitations of reproduction and printing process and are not binding.