

BONDTEX →
BOUNDTEX →
STONETEX →
COLORTEX →

Resin Bound Surfaces Group Materials

T : +44 (0)1732 845007 E : mail@resinbondedsurfaces.co.uk



BONDTEX →



BOUNDTEX →



STONETEX →



COLORTEX →



Where our surfaces can be used:

- ACCESS RAMPS
- HERITAGE SITES
- SUDS COMPLIANT SCHEMES
- DRIVEWAYS
- PARKS
- TREE PITS
- PEDESTRIAN AREAS
- LANDSCAPE SCHEMES
- REGENERATION PROJECTS
- WALL COVERINGS
- PLAYGROUNDS
- SWIMMING POOL SURROUNDS
- PATIOS
- CORPORATE LOGOS
- HOTEL LOBBIES
- RETAIL OUTLETS
- BATHROOMS
- OFFICE AREAS
- CHURCHES
- RECEPTION AREAS
- LEISURE CENTRES
- WATER FEATURES
- CONSERVATORIES
- KITCHENS
- HALLWAYS
- FOOTPATHS
- COURTYARDS
- SHOWROOMS
- ACCESS ROADS
- INTERNAL AND EXTERNAL
- WET ROOMS



RBSG Materials limited is the UK's fastest growing supplier of decorative internal and external paving systems and now we are pleased to announce the introduction of the first internal vertical pebble binding system called ColorTex.

Within this brochure you will find all you need to know to design, specify, quantify, supply and install the systems we supply. As a result of many years experience we have been able to fine tune the existing systems to enable clients to achieve optimum value and performance.

Resin bound gravel systems are highly versatile, they are one of the few systems that can be used inside and out enabling design options which are simply not available in other finishes. The systems can be both impermeable and permeable when a SUDS compliant surface is required.



Index

- Page : 1 About.
- Page : 2 Systems summary.
- Pages : 3-4 External surfaces.
- Pages : 5-6 Internal surfaces.
- Pages : 7-8 Technical and Specifications.
- Pages : 9-10 Maintenance and Tree Pits

Disclaimer

The information provided in this brochure is provided in good faith for the purposes of assisting clients in understanding the surfaces we supply. All data is based upon testing, previous experience and on the assumption of correct preparation. The content of this brochure does not form part of any legal contract.

BONDTEX



BONDTEX

Resin bonded systems are installed by applying a thin layer of resin to a suitably prepared substrate and then dressing the wet film with a selected aggregate. Finally, the surface is swept removing any excess aggregate leaving a hard wearing, textured non-slip finish with very little loose gravel.

A resin bonded surface has the appearance of a loose gravel system without the associated problems such as weed growth and stone migration which is kept to a minimum. Recommended aggregate sizes to achieve the best finish is below 4mm.

BONDTEX

BOUNDTEX



BOUNDTEX

Resin bound systems are installed by coating the selected aggregate in resin, then trowel applying the mix to the substrate. This creates a layer that ranges from 15-18mm in thickness. A choice of natural aggregates, from bold red granites to delicate cream limestones can be used within this system. The aggregates are available in sizes up to 10mm in diameter.

Alternative materials such as recycled marble or glass can also be used to enhance the surface. BoundTex resin bound gravel is water permeable and therefore can be used as part of a SUDS compliant installation.

BOUNDTEX

STONETEX



STONETEX

A Quartz Stone Carpet is installed by encapsulating specialist quartz, marble, natural or glass aggregates in UV stable resin and applying the blend with a trowel to the required depth. Aggregates can be pigmented and are available in a variety of shades including standard RAL colours. The most common size used within this system is 2-4mm in diameter. Italian marble pebbles 1-8mm in size and crushed marble are also a popular choice. The beauty of a quartz stone carpet is that it can be installed internally & externally. An internal installation can be sealed to provide a low maintenance, hard wearing contemporary alternative to standard flooring systems.

STONETEX

COLORTEX



COLORTEX

ColorTex is the latest addition to the RBSG materials range. This highly innovative surface now enables creative grout free finishes where traditional tile systems are used. The surface is quick to install, can have enhancements such as glitter applied and in areas where the surface might come in to contact with water a seal coat can be applied.

In addition to our natural range colour coated quartz or glass can be applied in up to 1000 different colours to meet your exact requirements. ColorTex is suitable for domestic and commercial environment ColorTex can be used in shops, offices, showrooms, wetrooms etc.

COLORTEX



BONDTEX - Antislip resin bonded paving is hard wearing, has high resistance to weed ingress and provides excellent slip resistance in wet and dry conditions.

To achieve the best finish we recommend that the system is applied on to a brushed concrete substrate which has been sealed with a polyurethane primer. Typically the resin is screeded to between 1-2.5mm in depth before being dressed with your chosen aggregate. Well roll close graded asphalt is also an excellent base though a scratch coat is usually required.

Once dry the excess aggregate is swept up leaving the appearance of loose gravel but with only a small amount of loose gravel on the surface. To further minimise the amount of remaining loose gravel a surface sealer can be applied but is not essential.

The aggregates lower left are the ones most frequently used and there are a mixture of angular and rounded stones available. The base colour of the resin is beige, so if you are using a grey or red coloured aggregate you will need to add a colour pigment to the resin to achieve the best results. The hardest wearing aggregates are the Bauxite range, which can be colour coated for vehicle traffic use.

Aggregates



Brittany Bronze



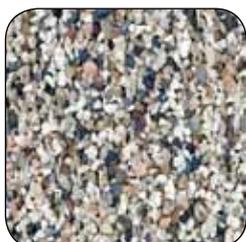
Autumn Gold



Red Granite



Silver Granite



Chinese Bauxite



Guyanan Bauxite



Trial Kits Available
£20.00

BOUNDTEX - Water Permeable Paving is SUDS compliant, quick to install and easy to maintain.

The surface is one of the most environmentally friendly paving systems available. It has been developed to return the rain water that falls onto it through its surface and back in to the water table. Resin bound gravel can be used in a variety of locations including :

- Driveways.
- Car Parks.
- Footpaths.
- Patios.
- Pedestrian Areas.
- Playgrounds.
- Access Roads.
- Landscape Schemes.
- Retail Outlets etc.

Typically in the summer months up to 300m² can be installed in a single day by an experienced contractor.



Vehicle Traffic



Hazel

Harvest

Silver

Autumn

Danish

Charcol

Foot Traffic



Autumn

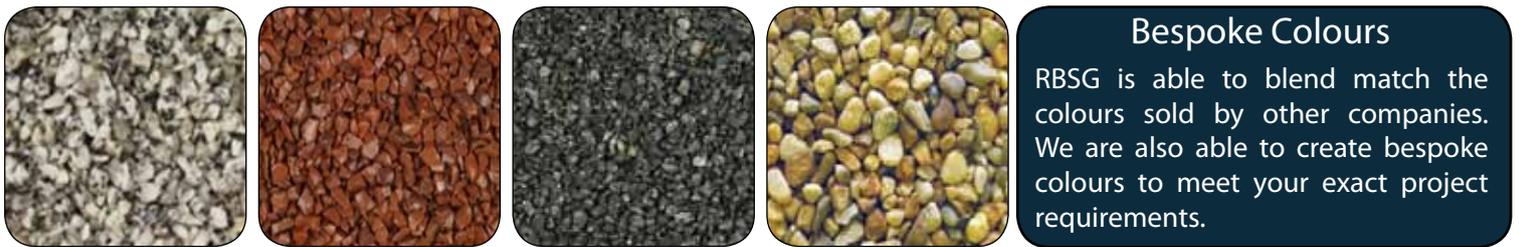
Beige

Danish

Brittany

Black

Dorset



Silver Granite

Red Granite

Green Granite

Rhine

Bespoke Colours

RBSG is able to blend match the colours sold by other companies. We are also able to create bespoke colours to meet your exact project requirements.

StoneTex stone carpets have been used in homes and offices in Icelandic & Scandanavian countries for over 30 years. They are highly popular in these locations due to :

- Quick installation.
- Good thermal qualities.
- Easy to clean.
- No tile lines or grout.
- Design flexibility.
- Inside out living.
- Low maintenance.
- Hard wearing.
- Long lasting.

There are very few flooring surfaces with the design and use flexibility of StoneTex. Additions such as glitter can be included to add a little sparkle to the surface.

Stone carpets are good for people with allergies as room dust falls between the pebbles and is easily vacumed out.

Once or twice a year the use of a wet dry vac will keep the surface in prestine condition. In areas where water or spills are likely to occur a seal coat can be applied. StoneTex is ideal for under floor heating as the stone structure releases the heat in a balanced way. StoneTex is also warm and theraputic under foot.



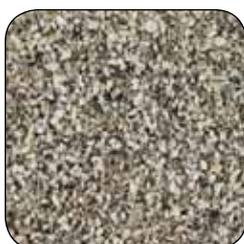
Natural - 6 colours of uncoated aggregates available. Granite, Quartz and Marble



Red Granite



Brittany



Silver Grey



Autumn Gold



Jet Black



Cream

Coloured Quartz - 16 standard colours - unlimited bespoke range available.



Black



Aqua Blue



Dark Grey



Light Grey



Burgundy



Yellow

Coloured Quartz - 16 standard colours - unlimited bespoke range available.



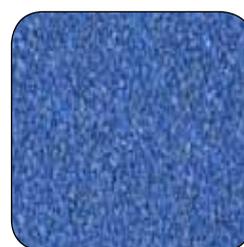
Red



Orange



Green



Royal blue

Bespoke Colours

StoneTex is available in 16 popular colours. We also provide colour a match service in over 1000 other colours. RAL codes can also be used.

RBSG Materials is pleased to announce the launch of ColorTex. ColorTex has been in development for nearly 3 and is now ready to transform the and add new life to interior wall finishes.

The surface is quick to apply, can have a waterproof seal coat added meaning for the first time offices, shops, showrooms, kitchens, bathrooms, wetrooms, conservatories etc can have creative seamless, grout free finish.

RBSG Materials has a fast expanding network of installers who have been specifically trained to install ColorTex.

The surface is usually applied to plasterboard of a type that is appropriate for the designated. ColorTex can also existing plastered walls.



Should you require any technical assistance with ColorTex working and curing times can be found on page 7. Should you still have any further enquiries or for lead time information please do not hesitate in contacting the office.

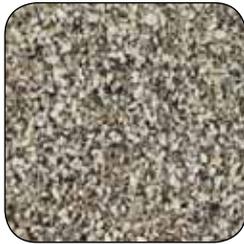
Natural - 6 colours of uncoated aggregates available. Granite, Quartz and Marble



Red Granite



Brittany



Silver Grey



Autumn Gold



Jet Black



Cream

Coloured Quartz - 16 standard colours - unlimited bespoke range available.



Black



Mid Grey



Mid Brown



Neutral



Mid Blue



White

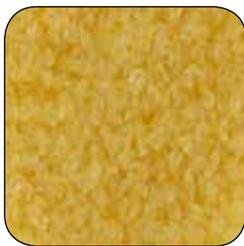
Coloured Glass - 16 standard colours - unlimited bespoke range available.



Red



Orange



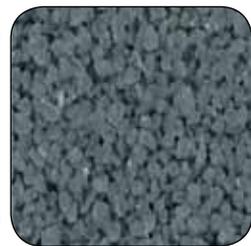
Lemon



Green



Turquoise



Dark Grey

Performance is in the detail...

The tables below have been added to provide some practical information for clients. The information is designed to assist clients in choosing the correct system to meet project requirements, to give clients an indication of how long an area will be out of use for and to ensure that the correct quantities of materials are specified.

	BondTex	BoundTex	BoundTex UVR	StoneTex	ColorTex	SealTex
Pot life	15 mins	20 mins*	45 mins**	45 mins**	8 hours	8 hours
Working time	30 mins	30 mins*	90 mins**	90 mins**	2 hours	2 hour
Cured for use	6 Hours*	8 Hours*	8 Hours*	6 Hours*	12 Hours	16 Hours 3 with heat
Full cure	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours
Full chemical cure	28 Days	28 Days	28 Days	28 Days	7 Days	7 Days
Product warranty	5 Years	15 Years	15 Years	15 Years	15 Years	SealTex

*All times are based upon lab controlled tests carried out at 20°C. For more accurate information with installation specific working and curing times we recommend that you carry out your own tests prior to installation. The information in the table above does not form any part of a legally contract and is provided for guide purposes only. All times based on a ground temperature of 20°C.

**Our systems are pre-catalysed to ensure a fail safe system. By adding additional catalyst on site the working and curing times can be reduced by experienced contractors only.

BondTex - Resin Bonded Anti Slip Paving

Stone Size - Resin Kg	Brushed Concrete	Tamped Concrete	HRA Asphalt	6mm Asphalt	10mm Asphalt
0.5 - 1.5mm	1.40Kg/m ² of Resin	1.80Kg/m ² of Resin	1.60Kg/m ² of Resin	1.60Kg/m ² of Resin	1.80Kg/m ² of Resin
1.0 - 3.0mm	1.80Kg/m ² of Resin	2.20Kg/m ² of Resin	2.20Kg/m ² of Resin	2.20Kg/m ² of Resin	2.40Kg/m ² of Resin
2.0 - 5.0mm	2.30Kg/m ² of Resin	2.60Kg/m ² of Resin	2.60Kg/m ² of Resin	2.60Kg/m ² of Resin	2.80Kg/m ² of Resin
Primer recommended	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
Void filler Recommended		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

*All consumption rates are based upon no primer or void filler being applied. Applying a void filler significantly reduces the loss of resin in to the surface and improves the ratio of resin to stone in the finished surface which will improve the lifespan of the system. Applying a primer improves the adhesion of the resin to the surface.

BoundTex - Resin Bound Water Permeable Paving

Stone Size - Depth	Foot traffic internal	Foot traffic external	Domestic driveway	Vehicle traffic turning
1-3mm Gravel	8mm - 2.0Kg - R/S - 25Kg	10mm - 1.85Kg - R/S - 25Kg	12mm - 2.0Kg - R/S - 25Kg	16mm - 2.3Kg - R/S - 25Kg
2-4mm Gravel	10mm - 2.0Kg - R/S - 25Kg	12mm - 1.75Kg - R/S - 25Kg	15mm - 1.85Kg - R/S - 25Kg	18mm - 2.3Kg - R/S - 25Kg
1-5mm Gravel	12mm - 2.0Kg - R/S - 25Kg	15mm - 1.5Kg - R/S - 25Kg	15mm - 1.85Kg - R/S - 25Kg	20mm - 2.3Kg - R/S - 25Kg
2-6mm Gravel	15mm - 2.0Kg - R/S - 25Kg	18mm - 1.5Kg - R/S - 25Kg	18mm - 1.85Kg - R/S - 25Kg	16mm - 2.3Kg - R/S - 25Kg
6-10mm Gravel	20mm - 1.85Kg - R/S - 25Kg	22mm - 1.25Kg - R/S - 25Kg	Not recommended	Not recommended
Asphalt	N/A	Not required	Not required	Not required
Primer required	<input checked="" type="checkbox"/> Concrete base			

R/S = Kg's of Resin to Kgs of Stone. Eg. 2.0Kg of Resin required per 25Kg of Stone

*It is recommended that a polyurethane primer is applied to concrete substrates as it will improve the adhesion of the resin and the performance of the system.

StoneTex - Stone Carpets

ColorTex - Resin Wall Finish

Seal Coat - Wet / Spill Areas

Stone Size - Depth	Foot traffic internal	Stone Size	Wall Weight	Seal Coat
2-3mm Gravel	8mm - 2.0Kg Resin - 25Kg Stone	1-2mm Gravel	7Kg m ²	Coat 1. : 0.6Kg Coat 2. 0.2Kg
2-4mm Gravel	10mm - 2.0Kg Resin - 25Kg Stone	2-3mm Gravel	10Kg m ²	Coat 1. 0.75Kg Coat 2. 0.25Kg
3-5mm Gravel	12mm - 2.0Kg Resin - 25Kg Stone	2-4mm Gravel	12Kg m ²	Coat 1. 1.0Kg Coat 2. 0.35Kg

Resin Bonded Gravel is able to offer a batch verification service if required. This is designed to ensure that your contractor adheres to the above specification recommendations. Please phone 01732 845007 to setup Batch Verification.

BOUNDTEX - Water Permeable Paving



Above are the most frequently used BoundTex, resin bound gravel specifications. Additional more detailed specifications in various file formats including PDF, DWG, JPEG etc can be found on the Architects page of www.resinbondedsurfaces.co.uk

BONDTEX - AntiSlip Bonded Gravel



Above are the most frequently used BondTex, resin bonded gravel specifications. Additional more detailed specifications in various file formats including PDF, DWG, JPEG etc can be found on the Architects page of www.resinbondedsurfaces.co.uk

Basics - Your resin bound surface should be regularly swept clean, removing leaves and detritus material in order to prevent moss growth. In order to keep your surface looking its best and to prevent staining any moss or weed growth should be treated using an appropriate herbicide or weed killer.



Contamination - If the surface has been contaminated with by grease, oil or gum etc it is best removed with the appropriate removal products.

Any ingrained algal growth can be removed using an appropriate paving cleaner. The colour of the original resin bound surface can be restored by applying a strong bleach solution. The bleach solution should be applied in accordance with manufacturer's guidelines and local environmental constraints. After application with the bleach the surface must be rinsed well with clean water or lightly jet washed. Please note that staining may occur from tanning if surfaces are not kept clean from leaf debris, twigs, conkers etc.



Ice and Frost - Salt can be used on the surface to help eliminate ice and frost. Once weather conditions return to normal the salt/grit needs to be washed off thoroughly to remove all traces.

Periodic Cleaning - General cleaning of the surface can be carried out by cold pressure washing up to a maximum 150 bar rating to remove dirt and grime. The water should be applied using a fan type lance which should be kept 200mm above the installed resin bound surface. Care should be taken however to prevent damage to the surface with excessive water pressure. If the surface is contaminated with any cement or concrete marks these can be removed using dilute hydrochloric acid or a proprietary cement remover. In all cases we recommend that a small area is carried out first to confirm suitability.

Oil stains should be removed as soon as possible use a mild detergent as required to prevent possible staining and degradation of the surface.

Usage - Our resin bound system has been designed for normal pedestrian and vehicular traffic use, therefore protection should be provided wherever possible against abnormal usage.

Abnormal usage would be classed as heavy objects such as skips, these should not be dragged across the surface, the resin bound surface must be protected in this instance to avoid any impact damage, staining, etc. It is also recommended that point load from heavy objects such as motorbike stands etc is avoided.

Light coloured Resin Bound Surface Blends may show tyre marks, removal by pressure washing as detailed below may be required.



Repairs after Damage - Should the surface become damaged we recommend that repairs are carried out as soon as possible. We recommend that as part of your installation that you request that the installer leaves 3 -4 bags of the aggregate that has been used for the installation in case of damage.

Duty of Care - The information in this care document is provided as a guide to assist clients. RBSG Materials Ltd cannot accept responsibility for how these guidance notes are applied. The duty of care for maintaining the surface is that of the owner.

Resin Bonded Gravel

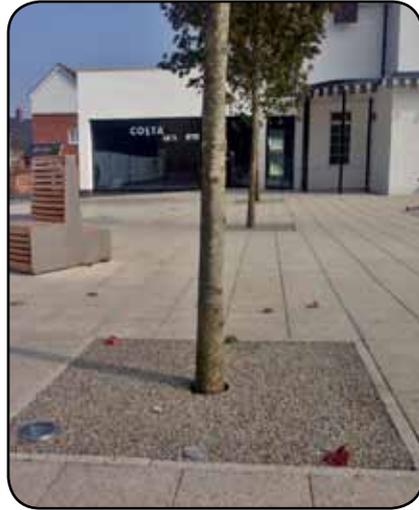
Resin Bound Gravel

Quartz Stone Carpets

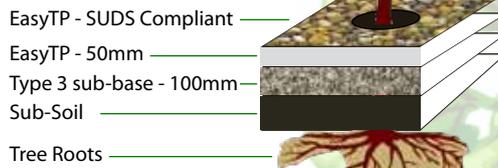
ColorTex Vertical

EasyTP

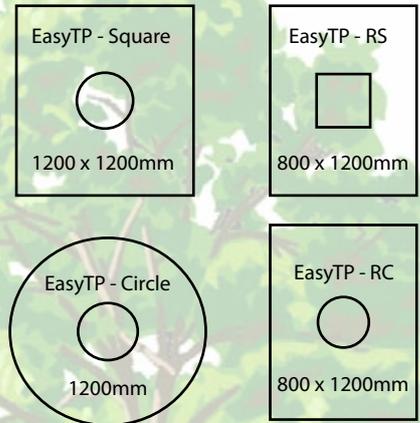
EasyTP is simplest and fastest way to install SUDS compliant tree pits. Once your type 3 sub-base is installed and compacted simply insert the pre-cast tree pit and you're finished.



Layer construction



Build your own off the shelf tree pit



Colours available in these designs



Made to measure also available

Tree pit kits are also available from our online store.

Marble can be used with BoundTex, StoneTex and ColourTex



Arrabescato



Bardiglio



Carrara



Mori



Verdi Alpi



Nero Ebano



Botticino



Brecca Pernice



Grigio Genere



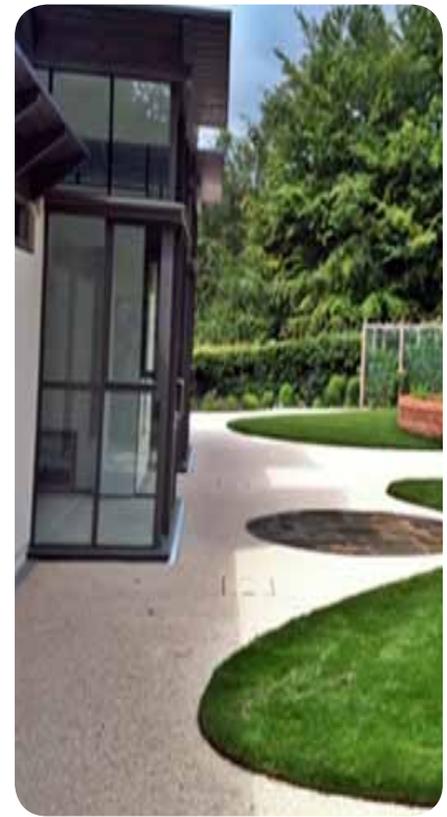
Lavento



Marrone



Occhialino



Resin Bonded Gravel

Resin Bound Gravel

Quartz Stone Carpets

ColorTex Vertical



BONDTEX

BOUNDTEX

STONETEX

COLORTEX