VUBA

SURFACES NZ

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SUPPLIED BY VUBA SURFACES

VUBA NEW ZEALAND

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Resin Bound Surfacing

The definitive brochure of modern, environmentally friendly and aesthetically impactful surfacing manufactured and supplied by Vuba.

CPD MEMBER The CPD Certification Service
asa Association of SuDS Authorities
Flood Innovation Centre
GROWTH 100 2023
The Sunday Times Hundred 2023
FT Financial Times statista 1000 EUROPE'S FASTEST GROWING COMPANIES 2023
#1 Rated Paving Supplier Trustpilot

Why Choose Vuba Resin Bound?

Vuba Resin Bound Surfacing is a permeable, SuDS compliant highly decorative paving system. Vuba is perfect to provide an environmentally friendly, hardwearing and design-led solution for housing developments, public buildings, private driveways and more.

We comply with **FeRFA** Guidelines

- 20 Year Warranty
- Authentic Spanish Marble
- 100% Free Draining
- Extremely Hard-wearing
- Low Maintenance

Resin Bound VS Other Surfaces

	Resin Bound	Tarmac	Concrete	Block Paving	P.I.C.	Resin Bonded
Colour Stable	✓	×	×	×	×	✓
Permeable	✓	×	×	×	×	×
Slip Resistant	✓	×	×	×	×	✓
Weed Resistant	✓	×	×	×	✓	✓
Frost Resistant	✓	×	×	×	×	×
Seamless	✓	✓	×	×	×	×
Oil Spillage Resistant	✓	×	×	×	✓	✓

Resin Bound is 19 times more permeable than block paving*

*ACCORDING TORECENTTESTINGBYTHEFLOOD INNOVATION CENTRE

Flood Innovation Centre

POROUS PAVING SuDS Compliant

Determination of VUBA Paving Permeability Report

Start your **Vuba Journey.**

1. Find an installer
Go to the 'Find an installer' page on our website or scan the QR code below & we can help you find an installer of Vuba in your area.

2. Browse the Vuba blend range, there's over 45 you know!
Whilst you wait, feel free to browse this brochure or go to the 'Colour Scheme' section on our website to check out our extensive range of colours and order a sample.

3. Get a quote & finalise your colour choice!
Your resin bound installer will visit your home to size up and give you a quote for your project. Your installer will check & advise if any additional ground work will also need completing to provide an appropriate sub-base for the resin bound surface.
You will also be able to get up-close and personal with the Vuba sample case to make your final colour choice!

4. Get your dream Vuba project completed.
Your installer will book your project in at a time which suits you.

Why choose a Vuba Approved Installer?

- Approved to be of the best by Vuba
- Increased credibility
- Increased protection
- Expertise & Training
- Quality Assurance
- Warranty Coverage
- Time & Cost efficiency
- Compliance
- Customer Support
- Proven Track Record
- Peace of Mind

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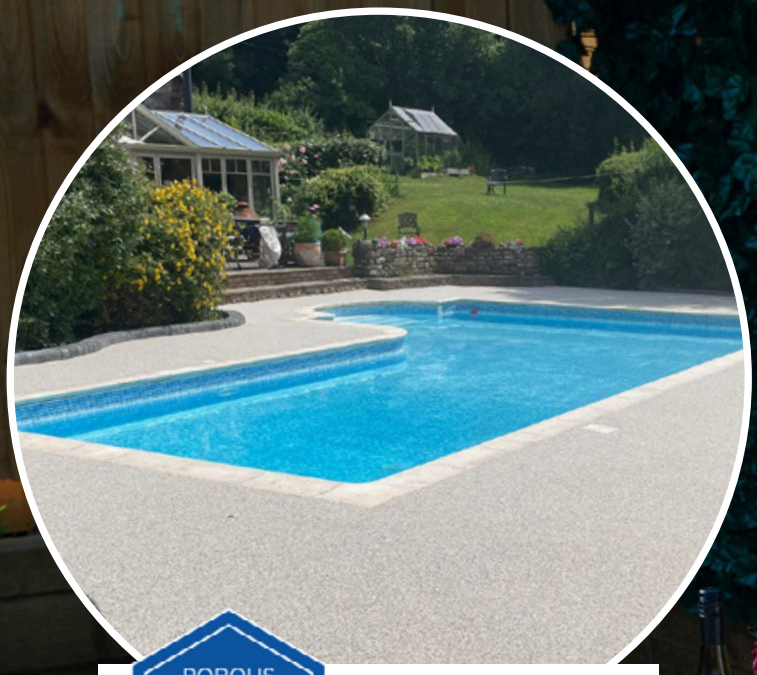
Ipanema Beach

IpanemaBeach, named afterthe cream and blue Brazillian beach made famousby Frank Sinatra, is a blend of our exclusive marble aggregates Ivory Cream and Blue Grey marble.

VUBA Wonders of the World



POROUS PAVING
SuDS Compliant

Perfect for Pools!

VUBA
NEW ZEALAND

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Poseidon

Poseidon is one of our originaltrue greys and has proven tobeone of the most popular. Comprising a blend of all Blue Grey marble, you can see how this timeless grey enhances any outdoor space.

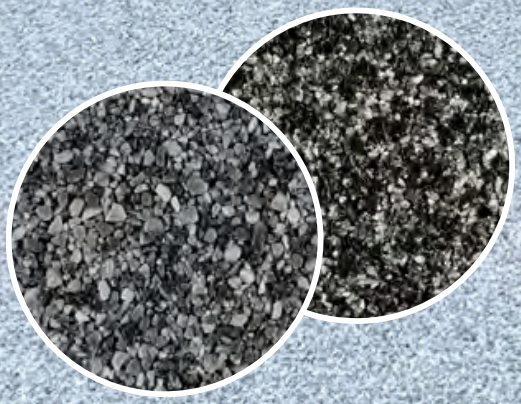

VUBA
NEW ZEALAND
Perfect for
Borders

VUBA

Borders, Patterns and Colour Pairings

ResinBound can be usedto create unique designs using patterns, borders and colour pairings for a bespoke driveway or outdoor living area. Match the colours and personality of your home with a colour pairing of your choice.

Black Granite



Palazzo & Black Granite

Charleston Stone & Ocean Grey

Large Commercial

Commercial Application

ResinBoundcanalsobe applied in commercial settings, offering a modern aesthetic which needs little maintenance.

Public Buildings

vubaresinproducts.com

Retail

Sports & Leisure Venues

Aftercare

Immediate Aftercare

Curing time

Do not walk on your new Resin Bound surface for 24-48 hours, and do not drive on resin for 48-72 hours after installation. These times are temperature dependent and we would recommend you always follow the installer's advice for exact timings.

No leaks/drips

Ensure there arenoleaks/drips on the curing resin because excess moisture will significantly weaken and discolour Resin Bound surfaces during the curing period. Continuous drips/leaks cause erosion in the long term, and will degrade the surface.

Footprints

Ensure pesky people or animals cannot walk on the Resin Bound surface. Footprints cannot be removed! Devices can be used to deter animals, and we would recommend to place tape/barriers around the perimeter.

5 Most Important Points to Remember

Static wheel/small turning circles

Pressure exerted fromstatic turning can dislodge surface aggregates. Once the matrix has broken, the surface will weaken and break away. It is very important that vehicle wheels are not turned when static or slow moving, and small turning circles should be eliminated in the driveway design.

Impact damage/high point loads

Take care not to drop heavyequipment on to the driveway, such as the placement of skips. Also be aware - skips can often leach rust on to your driveway which you may not be able to clean. Car jacks can depress the surface of Resin Bound and should be placed on a wooden board for load distribution.

Chemicals and staining

Petrol,solvents,etc. should not come into contact with resin surfacing ideally. In the event of spillages, dilute and clean immediately. Solvents and some chemicals will degrade the resin binder, resulting in stone loosening over a period of time.

Leaching/Discolouration

Like allpaving surfaces, Resin Bound will discolour if covered long term permanently with a close contact object. Discolouration occurs from leaching and lack of exposure to air/sunlight. An example would be a flat bottom plant pot or a storage box. Use raised plant pots, and do not store items like storage boxes on the surface.

Rejuvenating your surface

Agreat way to extend the life of your driveway is by sealing the surface after a deep clean. This can be done using a diluted polyurethane UV resin sealer – contact your installer for more information. A good time to carry out this enhancement would be 2-4 years after installation of the resin surface.

Cleaning Advice

Cleaning Practices

It's very good practice to clean your Resin Bound surface regularly. And for lighter colours, it will be even more important to carry out regular cleaning.

Resin Bound Surfaces can be power washed, it is recommended to have the lance at a 90 degree angle and at least 300mm from the surface. Cleaning too close can cause aggregates to be dislodged.

Oil, Dirt & Detritus

Oil can penetrate readily into hard surfacing materials (particularly lubricating or fuel oil), but it should not stain if any spillages are removed promptly with an absorbent material. If the stain persists then an emulsifying degreaser should be employed.

Prolonged contact with any solvents should be avoided, contact Vuba for advice if you cannot remove the stain.

Weeds, Moss & Lichen

There ought to be a permeable membrane beneath the base; preventing weed growth from beneath the surface. Absence of a membrane will result in weeds coming through the Resin Bound – the resin surface will not be able to prevent this. It is also possible for weeds to grow in the surface of Resin Bound but it can be easily jet washed away.

Organic growth such as Moss, Lichen and Algae can be prevalent on hard surfacing where the area is heavily shaded or is under trees. If such growths do occur, then the area should be treated with the appropriate treatment according to manufacturers' instructions.

Fruit, Berries and Leaves

Fruit and leaves can stain all types of paving surface and care should be taken to clean these away from any resin surface before they can begin to leach on to the Resin Bound.

For soiled areas, a recommendation is to use a mix of liquid Sodium Hypochlorite (NaClO), obtained from swimming pool maintenance suppliers and a non-oxidising shampoo (E.g. Baby Shampoo).

Dilute 1.5 litres of Sodium Hypochlorite with 4.5 litres of water and add 100ml of baby shampoo. If possible, the mixture should be applied via a pump spray and the whole area treated, not just individual spots.

Pre-wet the whole area with clean water and spray the cleaning fluid over the surface. Gently scrub the area with a stiff bristle brush. After 15 minutes, wash the surface down with clean water making sure that the residue does not run onto any vegetation.

Rusting & Tyre Marks

Rustcanoccurfromtwosources. Typically, rusting is caused by leaching from BBQ's, flower baskets, and other metal garden items. Care should be taken to ensure these do not leach on to the resin surface.

Naturally occurring aggregates in Resin Bound can contain pyrite, which upon exposure to rain, dew, etc. can begin to rust. Unfortunately this is an aspect of Resin Bound surfacing which although very rare, can happen naturally.

Either cause of rusting can be cleaned using Non-Acidic Rust Stain Remover. Please follow manufacturer instructions for more information.

Tyre Marks can normally be removed by steam cleaning, or by scrubbing the area with detergent and hot water.

Resin Bound **FAQ's**

"RESIN BOUNDCRACKS,FAILSANDFALLSAPART, THIS WON'T LAST 5 MINUTES..."

Not with Vuba!

We've put together some of the most common questions we get asked to give you more information about resin bound and its advantages as a modern surfacing solution.

Can resin bound be used for back gardens/patios/swimming pools?

It works great in all of these outdoor areas; resin bound is not just for driveways!

Can you lay it over old Tarmac or concrete?

A realadvantage ofresin bound isthat itcanoverlay existing old and tired concrete or tarmac (depending on cracks and joints, you may requirerepair treatments or joints within the resin). We do recommend, however, if you want a fully permeable system that the existing base is removed paving.

Can I use it on the stones between my pavers?

Forloose garden stones, we haveanincredibleproduct called Easihold. Easihold is a water-based, non-toxic binder, which can be applied to stones by spraying, pouring or or mixing in.

What's the difference between an Approved Vuba installer and a local installer?

AnApproved installer weknowverywell andhavesuppliedfor some time. A local installerisone they

could still be very good! On average 3 installers change to Vuba every week.

we have only recently begun supplying so haven't seen as many of their projects yet, although

How long does an average install take?

Depending on the size of the installers company, smaller companies can install 150m2 in a day as a maximum. However, larger companies couldachieve 300m2 or more!

Typically, how much would a driveway cost per m2?

Should your driveway base already be in good condition aresin bound overlay would cost around £60-£80 per m2. If the removal of your existing driveway is required, installation of a new permeable base as well as the Resin bound overlay, this would cost approximately £120-£160 per m2. Locations, material fluctuations, edging, patterns and borders can all have an impact on price.

How long will a driveway last?

Wegive a 20-year warranty for ourproducts, and you can expect a longer life expectancy. When installed correctly resin bound is incredibly durable and resilient. We work with over 100 ethical, competent and experienced approved installers

How long until I can walk/drive on it?

week before driving. In the Summer we recommend 24 hours before walking and 2 days before driving.

How environmentally friendly is it?

Recently in the news we have been seeing that sewage is being released into waterways to ease the strain on drains – meaning people being advised not to bathe when at the beach. As resin bound surfacing becomes more popular,the strain on storm and sewage drainage will be greatly reduced as it will disperse naturally into the water course.

Is it slippery?

The surface for driveways is naturally non-slip in dry conditions. As resin bound is permeable you

skid resistance.

Will it hurt if you fall?

We use a rounded marble or a naturally rounded quartz stone from Europe and this is trowelled in

Do weeds grow in it?

weeds tend to grow, meaning the likelihood of weeds is massively reduced. Should any pop up just

pick them out or jet wash them, which means no more moss or algae!

Does it hold up in icy/frosty conditions?

Yes,it holds up well. Resin Bound is permeable with open pores throughout which allows freezing water to be released. We took a cube of resinbound, fully submerged it in water, froze it and then thawed it out. We did this 100 times, and thenwe tested this sample using a Compressive Strength tester, and the result matched the control. Meaning we didn't see a loss in strength. There could be limitations to this, we don't know yet for the harshest of environments, but we're confident.

How do I clean it and can it stain?

The resinencapsulatedstoneshold dirta lot less than porous block paving or concrete, making for a much easier cleaning experience.Vuba Resin bound surfacing can be jet washed, and with a permeable base, the water simply drains away. You can even wash your car on it!

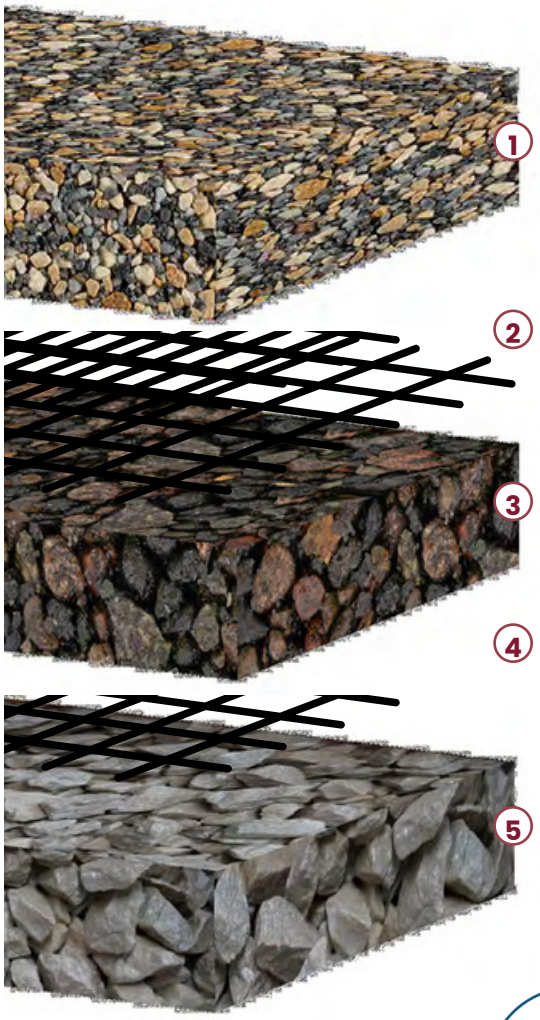
Simply jet wash to keep clean

VubaMac Base Build Up

Heavy Vehicle

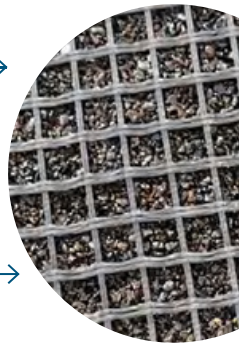
Heavy Vehicle Load Bearing Environmentally Friendly "No Dig" Base, Formulated and Patented to Create a Highly Strong Monolithic Resin Surface.

Our VubaMac is made up of 5 different layers to create an environmentally friendly "No Dig" base suitable for both vehicle and pedestrian traffic. Using Vuba's SRM (Structural Reinforcement Mesh), VubaMac Resin and a waste aggregate with a traditional Vuba Resin Bound Surfacing as the surface course. The product allows for Resin Bound Surfacing to be laid onto an MOT base rather than traditional methods of using Asphalt or Concrete for example. VubaMac is also SUDS compliant and suitable for Tree Root Protection Areas.



1. **Resin Bound Surfacing** spread using a spazzle or sledge, and finished using a steel trowel or power trowel. / **21mm**

2. **Structural Reinforcement Mesh (SRM) Two Top Layers** laid perpendicular.



3. **Urethane Binder Course** is a layer comprised of waste aggregates and VubaMac Binder spread with a spazzle and finished using a VubaMac roller. / **33mm**

4. **SRM Base Layer.**

5. **Sub-Base** a 225mm depth of well compacted, non-frost susceptible Type 3 granular sub-base to SHW clause 805 or locally available secondary or recycled aggregates which comply with the requirements of the specifications for Highway Works for sub-bases. The sub-base ought to be installed in layers (2 to 3), ensuring that each layer is fully compacted.

Benefits

- Vehicle Traffic
- 1 Day Application
- No Dig
- Long Term Flexural Resistance

admin@vubasurfaces.nz | Ph: 027 301 1195

VubaMac Base Build Up

Pedestrian

Pedestrian Load Bearing Environmentally Friendly "No Dig" Base, Formulated and Patented to Create a Highly Strong Monolithic Resin Surface.

Our VubaMac is made up of 3 different layers to create an environmentally friendly "No Dig" base suitable for pedestrian traffic. Using Vuba's SRM (Structural Reinforcement Mesh), VubaMac Resin and a waste aggregate with a traditional Vuba Resin Bound Surfacing as the surface course. The product allows for Resin Bound Surfacing to be laid onto an MOT base rather than traditional methods of using Asphalt or Concrete for example. VubaMac is also SUDS compliant and suitable for Tree Root Protection Areas.

1. **Resin Bound Surfacing** spread using a spazzle or sledge, and finished using a steel trowel or power trowel. **/ 15mm**

2. **Structural Reinforcement Mesh (SRM) Top Layer.**

3. **Urethane Binder Course** is a layer comprised of waste aggregate and VubaMac Binder spread with a spazzle and finished using a VubaMac roller. **/ 20mm**

4. **Sub-Base** a 150mm depth of well compacted, non-frost susceptible Type 3 granular sub-base to SHW clause 805 or locally available secondary or recycled aggregates which comply with the requirements of the specifications for Highway Works for sub-bases. The sub-base ought to be installed in layers (2 to 3), ensuring that each layer is fully compacted.

Benefits

- Pedestrian Traffic
- 1 Day Application
- No Dig
- Long Term Flexural Resistance

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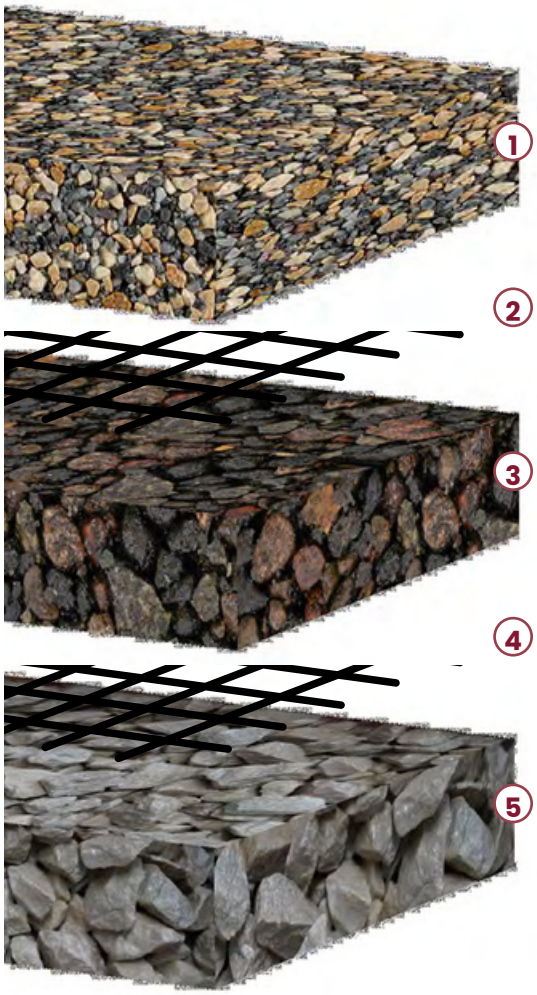
VubaMac Base Build Up

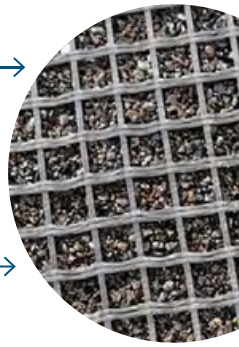
Vehicle

Vehicle Load Bearing Environmentally Friendly "No Dig" Base, Formulated and Patented to Create a Highly Strong Monolithic Resin Surface.

Our VubaMac is made up of 4 different layers to create an environmentally friendly "No Dig" base suitable for both vehicle and pedestrian traffic. Using Vuba's SRM (Structural Reinforcement Mesh), VubaMac Resin and a waste aggregate with a traditional Vuba Resin Bound Surfacing as the surface course. The product allows for Resin Bound Surfacing to be laid onto an MOT base rather than traditional methods of using Asphalt or Concrete for example. VubaMac is also SUDS compliant and suitable for Tree Root Protection Areas.



1. **Resin Bound Surfacing** spread using a spazzle or sledge, and finished using a steel trowel or power trowel. / **18mm**
2. **Structural Reinforcement Mesh (SRM) Top Layer**



3. **Urethane Binder Course** is a layer comprised of waste aggregates and VubaMac Binder spread with a spazzle and finished using a VubaMac roller. / **30mm**
4. **SRM Base Layer.**
5. **Sub-Base** a 175mm depth of well compacted, non-frost susceptible Type 3 granular sub-base to SHW clause 805 or locally available secondary or recycled aggregates which comply with the requirements of the specifications for Highway Works for sub-bases. The sub-base ought to be installed in layers (2 to 3), ensuring that each layer is fully compacted.

Benefits

- Vehicle Traffic
- 1 Day Application
- No Dig
- Long Term Flexural Resistance

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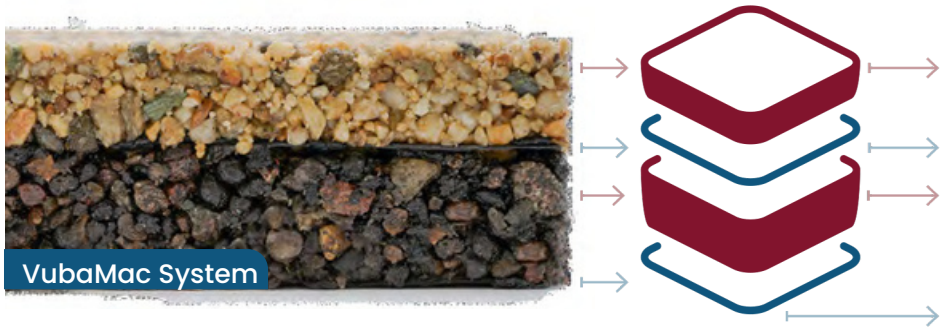
Environmental Benefits
VubaMac

What is VubaMac?



Resin Bound
Pedestrian: 15mm / Vehicle: 18mm / Heavy Vehicle: 21mm

SRM: 1mm

Urethane Binder Course
Pedestrian: 20mm / Vehicle: 30mm / Heavy Vehicle: 33mm

SRM: 1mm

Structural Reinforcement Mesh EPD

The production of Structural Reinforcement Mesh (SRM) includes some positive impacts on the environment with a focus on a green production process.

After an in-depth investigation to determine the consumption of resources and the impacts of the various stages in the product's lifecycle on the natural environment. The SRM has had its performance certified through the inspection and certification body SGS and have been awarded EPD certification, unflagging and committed in the mission to reduce our environmental footprint.

Almost 50% of the energy used in the production processes comes from renewable sources: including three photovoltaic systems, with rated outputs of up to 200 kWp. With a cogenerator producing another 800 kWp!

Coming from a renowned recycling plant specialising in handling high-density polyethylene, and polypropylene, which come from the post-consumption of bottles, liquid containers and plastic bottle caps.

EPD® ENVIRONMENTAL PRODUCT DECLARATION

ECO PLATFORM EPD VERIFIED

100% Repurposed Waste Aggregate

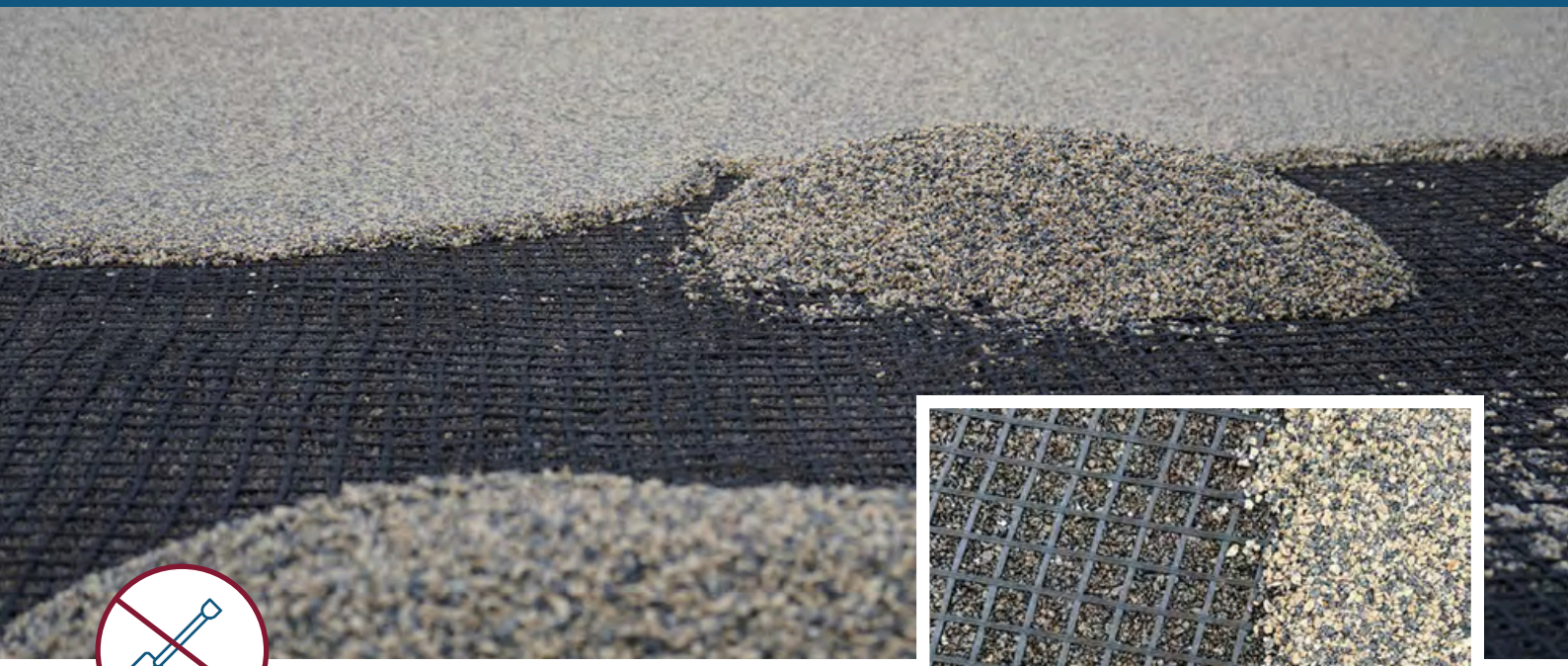
VubaMac aggregate has been re-purposed and saved from being a waste product. The aggregate is then screened to remove any debris leaving a very good quality, repurposed aggregate suitable for a variety of applications, including the Urethane Binder Course layer of our VubaMac."

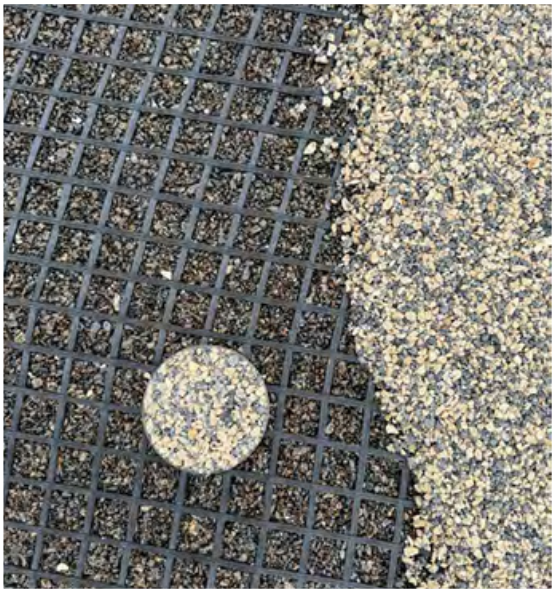
SuDS Compliance

The Sustainable Urban Drainage System scheme is important in improving the environment and supporting the drainage systems.

Making sure products are free draining and fully permeable, the investigations by the Flood Innovation Centre on Vuba Resin Bound Surfacing products show that our products are 19 times more permeable than block paving! We have 0 litres of run off with our products and our VubaMac system continues this trend.

Incorporating an MOT Type 3 base to ensure full system permeability, the VubaMac requires no planning permission due to fully conforming with the SUDS Accreditation Scheme.





No Dig

VubaMac completely removes the requirement for any form of heat applied, dig base that can be detrimental to the environment. Reducing down the depths to under 56mm TOTAL for a full base and resin bound surfacing dramatically reduces the dig required for a project. This means less machinery and a more sustaina- ble option for hard landscaping surfaces.

Did you know on average the direct CO2 emissions of asphalt are around 25kg per tonne!

Asphalt is a high-VOC (volatile organic compound) substance. As the product is converted to asphalt, significant quantities of harmful gases are released into the atmosphere. Likewise, the process of producing cement for concret requires high levels of heat, generates substantial VOC's and causes 9% of the global CO2 emissions.

57% Higher Flexural STRENGTH than Asphalt

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BONDI BREEZE

Boulder

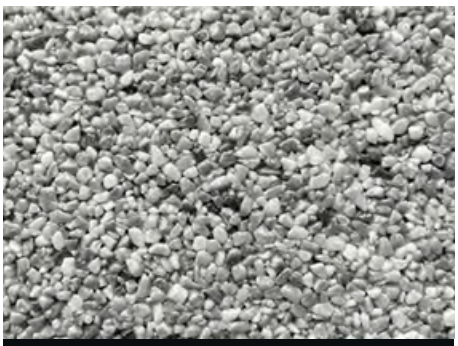
Duomo

Ipanema Beach

Ivory Marble

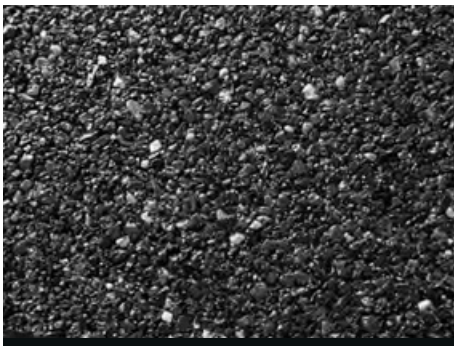
Necker Island

Nero



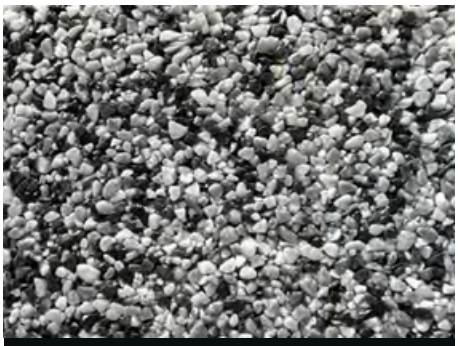
Poseidon

RavenSteel



The Met

Tuscan



Valentini