

Environmental Benefits

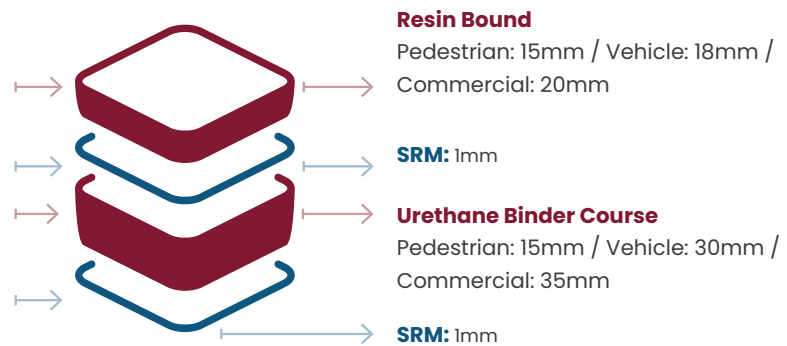
VubaMac



What is VubaMac?



VubaMac System



Structural Reinforcement Mesh EPD

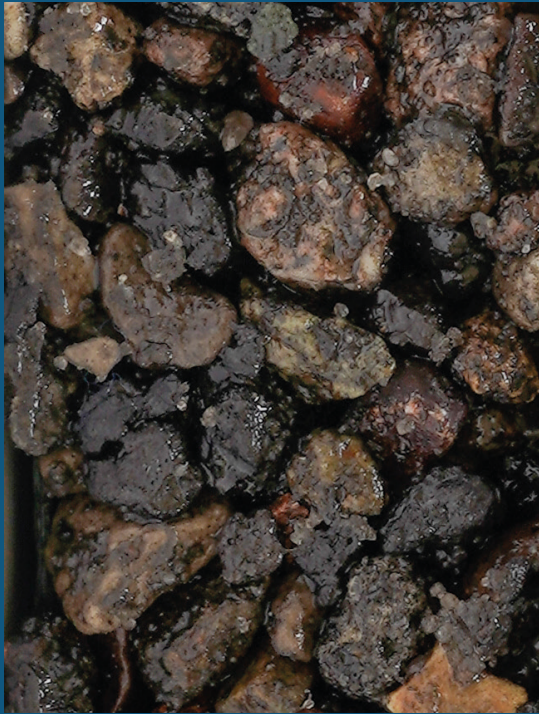
The production of Structural Reinforcement Mesh (SRM) includes some positive impacts on the environment with a focus on a green production process.

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.





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

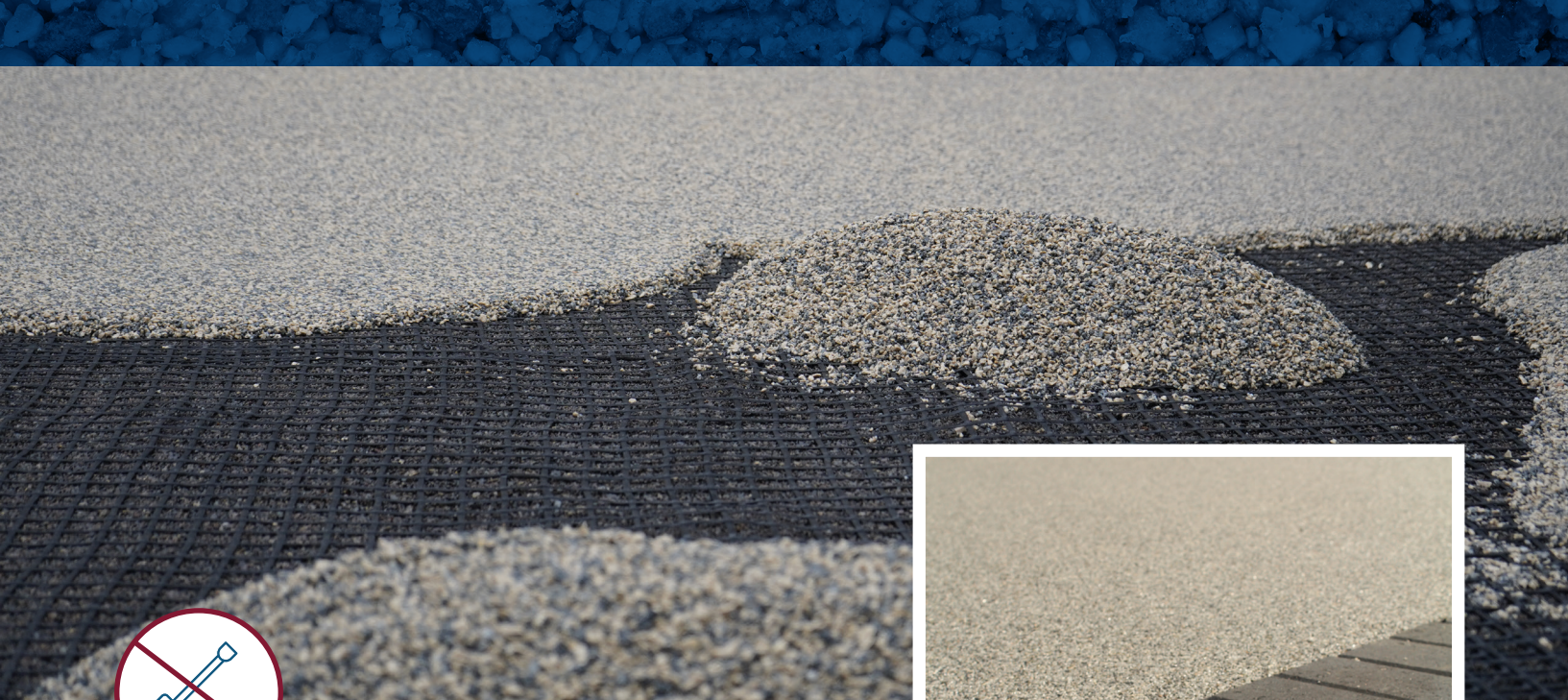
The Sustainable Urban Drainage System scheme is important in improving the environment and supporting the drainage systems.

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.



asa
Association of
SuDS Authorities



Reduced 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 system dramatically reduces the dig required for a project. This means less machinery and a more sustainable 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 concrete requires high levels of heat, generates substantial VOC's and causes 9% of the global CO² emissions.



57% Higher Flexural **STRENGTH** than Asphalt



Find out more **from our technical team:**



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