

ABL (STEVENS) Resin & Glass

Unit 4, Millbuck Way, Springvale Industrial Estate, Sandbach, Cheshire, CW11 3HT.
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G-FIX Gold SYSTEM notes

Resin Bound Gravel Surfacing.

Description

G-fix Gold is a flexible two part solvent free polyurethane resin, used to bond aggregates, producing a decorative porous hard wearing attractive surface on driveways, roads, footpaths, cycleways, balconies, roof terraces, playgrounds, pool surrounds etc.

Aggregate types

Aggregates are available in many colours types and shapes to suit various applications, generally the smaller grade aggregates 1-3mm produce the stronger more load resistant surfaces where vehicular access is required, the larger gravel sizes 2-5mm are employed where pedestrian foot traffic and cycle access is used, larger gravels up to 25mm are employed in tree pit areas. Minimum recommended depth 15mm using 1-3mm gravel, depth increases with size of gravel dependant on the expected load traffic etc.

Base types

The sub-base determines the longevity of the substrate whichever system is employed as the finish layer, therefore it's imperative that the base is suitable to withstand the loads and stress of the impending usage. Concrete is a recommended surface along with Tarmac, if the intention is to lay over flagged or paved areas then these bases require special preparation beforehand to prevent movement cracks transposing through the bonded surface, ask our advisor's for advise. It's not recommended to lay straight over compacted stone, however this has been done in the past but only where pedestrian access is envisaged, the depth of the bound surface is increased in these situations to enhance the strengths.

Sustainable urban drainage systems (SUDS).

The permeable feature of the bound system lends itself to the SUDS legislation which was introduced in 2008 therefore becoming SUDS compliant.

UV effects

The G-FIX Gold resin is slightly amber colour when mixed which can darken the aggregate colour slightly, over time the darkening will increase slightly due to UV effects, however this doesn't appear to become obvious when using black, red, buff, or multi coloured dark shades of aggregate in fact can enhance the appearance in some instances.

The discolouring does not effect the strength and structural characteristics of the cured material. If white or very light coloured aggregates are preferred then our UV stable resin system can be employed but will increase the cost due to being a more expensive resin system.

After-care & Maintenance

The bound surface requires little to no maintenance, occasional cleaning with a stiff brush or light pressure washing (NOT close contact) keeps the surface in pristine condition and appearance.

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Application conditions

The system can be applied to completely dry or primed surfaces in temperatures above 5°C, the material can NOT be applied during rainfall however the matrix becomes rain friendly once actually in place.

Only clean dry gravel can be used, wet or moist gravel CAN NOT be used and will result in breakdown of the matrix and the expense of re-doing the project!!.

Advantages

- Highly attractive range of aggregate types and colours.
- Highly durable flexible matrix.
- Restricts weed growth.
- SUDS compliant, porous.
- No loose stones.
- Anti-slip surface can be applied.
- Solvent free & virtually odour free prior and after installation.
- Can be installed internally or external.
- Faster curing times in cooler temperatures.
- Highly flexible to move with the substrate avoiding cracking.

Tools required

Mixing can be carried out using a forced action pan type mixer or a cement type mixer.

Electric drill with paint mixing paddle for blending the resin components.

Wheelbarrow, flat bladed squeegee spreader, flooring trowel, white spirit, latex gloves, suitable cleaning solvent for the mixer and tools, polyethylene mask tape.