

## SPECTRABIND GOLD (NON-UV) SYSTEM FOR RESIN BOUND AGGREGATE PAVING

### Application Advice

Spectrabind Gold is a 2 pack system. The two parts Identified as Resin and Hardener are used in a 2:1 ratio. Spectrabind Gold Resin is supplied in white pails. Spectrabind Gold Hardener is supplied in light blue pails. Spectrabind Gold is not light stable and will change colour under UV light.

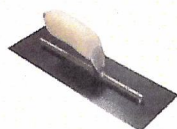
### **Preparation**

The substrate is critical to the strength of the paving. The selected substrate must be prepared and cured according to the manufacturer's instructions. To achieve the optimum performance the substrate must be dry and we do not recommend application at ambient temperatures below 8°C or above 21°C. Spectrabind Gold is relatively a more reactive system and as a result more care needs to be taken to protect from moisture or when laying at higher temperatures. In particular the contractor should consider surface temperatures particularly when laying on black tarmac. In the summer the raw materials should be kept out of direct sunlight, if the temperature is too high the viscosity becomes too low and has a detrimental effect on performance.



#### **1. Primer**

The Spectrabind Gold system, under normal conditions, shows very good substrate adhesion and in this regard is generally considered to be self-priming. However, there are several other variables that can affect the performance and the need for priming. For example Substrate and/or aggregate porosity, surface preparation and ambient temperature, may make priming a necessity. In these cases we recommend the use of **Kollerdur MO121/40**. If you think you may need a primer please contact our technical support team for further assistance.



#### **2. Binder [Spectrabind Gold]**

The amount of resin to aggregate may vary according to the end user requirements as well as aggregate size and type. In all of our trials we have found the optimum addition rate to be in the range 8-10% (binder to aggregate on weight).

The Spectrabind Gold Components Resin and Hardener should be premixed in a 2:1 weight to weight ratio using an electric mixing paddle. This mix is then added to kiln dried aggregate in a suitable mixer and mixed for at least 2 minutes or until all the aggregate is evenly wetted out. The mixture can be discharged and poured on to the substrate. The mixture is spread evenly and then trowelled to give a smooth even surface. The minimum thickness for a stone carpet system is 10mm but should always be at least 3 times the size of the aggregate.

The choice of aggregate, both size and type, along with the thickness of the material will also depend on the type of loads the area will be subject to.

At this stage, whilst the Binder is still wet, an anti-slip additive like **Kollerdur ASClear** can be broadcast on to the surface.

Depending on the ambient temperature the system should be touch dry in 1 – 2 hours however it should be left at least 24 hours before use.



#### **3. Sealer Coat**

Depending on the finish required a gloss or matt Sealer Coat can be applied onto the cured resin bound aggregate.

**Please ensure that you have read the safety data sheets prior to application. For more information on the products refer to the individual technical data sheets.**

NB: Recommendations are given in this data sheet, in good faith, to assist users with the application of products for various purposes. However, users must undertake their own trials to establish suitability as no liability can be accepted by Spectrum Chemicals Limited should materials or methods prove to be unsuitable for such purposes