



Jaguar Landrover, Solihull



The Project

The location of the site within the centre of the Jaguar Landrover production facility called for a careful approach. With the Landrover paint shop forming one site boundary and storage areas for up to 700 new vehicles awaiting shipment on the others, the potential issue of dirt and dust release during soil stabilisation works was significant.

Combined Soil Stabilisation Ltd approached the potential problem of dust release by using an integrated mixer the silo of which was vented into a water tank instead of the traditional sock to prevent any dust escape during materials transfer. This approach was successfully used for spreading mixing and filling for both the lime and cement stabilisation works. Weather conditions, in particular wind speed and direction were constantly monitored with work being halted if there was any risk for airborne dust release.

The project involved lime modification sub-grade layer in the cohesive-made ground to provide a minimum strength of 5% CBR. Subsequently, a layer of site worn granular material was placed and cement stabilised to provide a 15% CBR capping layer. The two layers formed a piling platform to support a 350kpa piling rig.

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- Sensitive site location
- Potential dust problem addressed
- Weather conditions constantly monitored
- New stabilised soil supports a 350kps piling rig

For more information visit
www.combinedssl.c.uk



The British Cementitious Paving Association

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Project details

Client:	Dunton Environmental
Project duration:	35 weeks
Main contractor:	Vinci Construction
Soil stabilisation contractor:	Combined Soil Stabilisation
Area stabilised:	80,000 m ²
Soil type:	Clay, Sand and Gravel
Blend:	
Specialist plant:	Integrated Wirtgen 2250 Mixer, Vented Silo