

Cement Stabilisation of Yard at Valley Trading

The Project:

In September 2013 we were approached by *Valley Trading Ltd* to create a cement bound surface/hard standing from an existing loose stone yard. The 5000m² area required was going to be used by the customer for skip storage and loading/unloading of their wagons. The job started in mid-October and took 8 days to complete.

Works:

- Stone was supplied by Valley Trading and samples taken and tested by Reeds to ensure the correct cement and moisture percentage was used to optimise CBR results.
- The entire area was prepped, tidied, closed off and divided into 3 sections due to the amount of m² that can be effectively worked in a single day. (Each section had the same procedure of works).
- The material was pre-crushed at a depth of 300mm using a tractor mounted Meri Crusher to ensure the correct granular size of material.
- We incorporated 20mm cement fibres to aid structural strength and to stop cracking of the finished product.
- Cem1 cement was spread over the entire area at an application rate of 10%, this was then mixed into a depth 300mm using the Meri Crusher. Clean water was incorporated to achieve the correct MCV's and mixed again.
- Initial grading was done by a Komatsu D61 laser dozer and final trimming via a Fransgard tractor mounted grader.
- Material was then compacted using a 12 ton smooth drum, self-propelled roller to leave a solid cement bound surface.
- Cemented stabilised area was then power floated to ensure the entire surface was sealed.

Photos:



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Directors: Arthur Reed & Thomas Reed • RRH Ltd t/a Reeds • Registered in England No 04659768 • VAT No GB 790 6684 86



Feedback:

Valley Trading were very happy with the work that we were instructed to do a further 550m² while we were there and to plan in future works in 2014. The cemented stabilised surface was being used in 3 days after completion and dramatically increased Valley Trading's work area and productivity.

All works were completed on schedule and on budget to a high standard.



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