



PROJECT New Waste Transfer Station
Fareham

DATE 23/10/07

CUSTOMER Raymond
Brown Construction
Limited

THE PROJECT

At the time of pouring this was the largest Extensia™ pour ever to have taken place across all Lafarge readymix's business units world wide.

The original specification called for a concrete containing Micro Silica, to aid achieving the required levels of surface abrasion the client, 'Veolia Waste' required.

Stuarts Industrial Flooring identified that due to the excellent abrasion results obtained on all Extensia™ Contracts they had undertaken, the product would be an ideal choice for this project.

The Specification was changed and a floor area of 1850m² at a depth of 200m was poured over a two day period both days involving the production of 190m³ using 6 Concrete Mixers.

THE SOLUTIONS

Extensia offered a viable alternative to both Raymond Brown Construction and Stuarts Industrial Flooring, and this offer was passed onto Veolia Waste Management, giving them a floor design that met their requirements of strength and surface durability

What Extensia also gave Veolia was high flexural strength, in excess of what they could have expected with conventional concrete, plus the benefits of its controlled shrinkage.

Extensia also allowed the saw cut detail to be pushed out to 20x20m² (400m²).

This dramatically reduces the long term floor maintenance, and removes the issue of steel fibre pop outs which under heavy trafficking, may impact on the floors long term durability.

The sustainable credentials of Extensia also helped in Raymond Brown Construction's decision to change the floor specification from Micro Silica.



CUSTOMER COMMENTS



Raymond Brown Construction Ltd

Due to the type and size of the heavy plant that will be in operation, the floor slab had to be extremely durable, with very high abrasive and impact resistance with as few joints as possible. Of all the options available, Extensia was the only one to tick all the boxes.

However we were anxious to see how well this new concrete would lay, and what it would look like, this was quickly dispelled, the whole process went like clockwork.

The results are equally impressive, the finish is excellent with no plastic cracking so often associated with industrial floor slabs and the compressive and flexural strength results are well in excess of what we expected along with the abrasive resistance results.

To sum up not only have we achieved a floor that looks good and meets our requirements in every respect, with a saving in cost, but it is also environmentally sustainable, which these days has to be a major consideration.

Dean Marlow
Site Manager

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