



PROJECT The Loxley Building, Scunthorpe DATE September 06 CUSTOMER T. P Dibden

THE PROJECT

The Loxley Building was the first commercial pour undertaken by Lafarge in the UK to use Extensia™. The building was designed leaving a floor area of 1750m² to be laid conventionally using a laser screed, however, the client T.P Dibden decided to use Extensia™, making them the first company in the world to use Extensia™ commercially.

The Loxley Building was commissioned by Somi Trailers who manufacture and repair lorry trailers, their innovative new trailer design has allowed for increased loads of up to 25% to be carried. This linked to the environmental properties of Extensia™ has allowed two like-minded companies to work together, combining innovation and sustainability as one.

THE SOLUTION

Over the last five years Lafarge Readymix has developed Extensia™ a low shrink concrete for the use in commercial and industrial floors.

This particular project had been designed to use a 200mm thick slab with 30kg of steel fibres, due to the advanced design of Extensia™ an alternative design was offered allowing for a reduction in slab depth and removal of steel fibres,

still meeting requirements of the design loadings on the floor.

This change of design gave the client substantial cost savings, a thinner floor slab and offered a more sustainable solution to conventional flooring methods.

The pour was completed over an 8 hour period and a total of 284m³ of Extensia™ was laid.



CUSTOMER COMMENTS



Customer:

Pauline Dawes MA (cantab) MBA
Managing Director
Somi Trailers Ltd

Comment:

After 30 years of seeing large buildings progress I was impressed by three things.

1. First the speed of the process. The operation was all done and dusted in less than 24hours, they were still delivering mix at one end whilst floating off at the other!
2. Second the quality result. I was dubious about the final finish having previously worked with steel fibres. This is a far superior finish with no cracks and a strong smooth surface.
3. Lastly the idea that it saved on costs overall and shows an environmental gain had big appeal with us as the end user.

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