

PROVEN PERFORMANCE

*SOMI TRAILERS, LOXLEY BUILDING, SCUNTHORPE, 5 YEARS ON
THE OPTIMUM LOW SHRINKAGE CONCRETE FOR COMMERCIAL
AND INDUSTRIAL FLOORS*

TOPFLOOR

Product TOPFLOOR
Client SOMI TRAILERS
Main contractor T. P. Dibden
Location THE LOXLEY BUILDING,
SCUNTHORPE, 5 YEARS ON
Date of completion SEPTEMBER 2006

A low shrinkage concrete providing increased flexibility in floor design and rapid construction times, for increased productivity of commercial and industrial floors.

THE CHALLENGE

Somi Trailers are world-leading innovators in trailer design. This uniquely successful client chose Tarmac's innovation in concrete to help create a highly performing floor for their trailer assembly site. Heavy 44 tonner lorries would be constantly using the space, as would a wide variety of other vehicles. Plus, it had to repel the inevitable leaks and oil spillage you'd expect with high vehicle use.

OUR SOLUTION

Originally the floor had been designed to use a 200mm thick slab with 30kg per m³ of steel fibres. But thanks to the remarkable properties of Topfloor a thinner slab depth without steel fibres became a viable and much more sustainable option. With conventional concretes, curling can occur along edge areas, which if subjected to heavy loads will result in cracking. However Topfloor has reduced curling to prevent these problems.

RESULTS AND BENEFITS

With no need for steel fabric, time and labour costs were minimized and the pour was completed within 8 hours with a total of 284m³ of Topfloor laid. Thanks to the unique anti-curling properties of Topfloor, joints have not opened and cracking has not occurred at the joint or at any of the edges – thus further reducing wear to those areas. Overall, by changing the design to Topfloor, the client gained substantial cost savings, a thinner floor slab and a more sustainable solution to conventional flooring methods.

TOPFLOOR

For more details contact your topfloor@tarmac.com or call **0800 1 218 218**

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