



## CG FLOORING SYSTEMS LTD

Specialists in Industrial Flooring



### High Light-Reflective Screed Boosts Lighting

A special cementitious flooring screed with high light reflectivity has been applied by CG Flooring Systems in a new 4000m<sup>2</sup> hangar at RAF Fairford, Gloucestershire, to provide optimum conditions for inspecting military aircraft.

The **Fastraz**<sup>®</sup> screed used at the RAF base is a high-white polymer-modified self-smoothing material with an average surface reflectivity of 72 per cent, compared with the 31 to 33 per cent of a standard industrial screed. The material also produces very even light diffusion.

At RAF Fairford the floor screed

is being used to optimise visibility and reduce the need for lighting near the aircraft. In other situations the high reflectivity can allow lighting – and therefore power costs -- to be reduced. If a decorative finish is required, small fragments of light-coloured aggregate can be incorporated.



The **Fastraz**<sup>®</sup> was laid 8mm thick on a 375mm concrete base at a rate of 1500m<sup>2</sup> a day and taking into account a slope of 110mm in 40 metres. After curing, a penetrating solvented sealer was applied, which allows the surface to be cleaned easily. The finished floor has an impact resistance better than category A penetration and abrasion resistance to AR Special specification, measured in accordance with British Standard BS8204.

**August 2005**

<b>Client:</b>	RAF Fairford, Gloucestershire
<b>CG Flooring Systems</b>	
<b>Solution:</b>	Fastraz <sup>®</sup>
<b>Floor Area:</b>	4000m <sup>2</sup>



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