

# **PROVEN** **PERFORMANCE**

*TOPFLOW HORIZONTAL, VARSITY HOTEL, CAMBRIDGE*  
*THE OPTIMUM FINISHING CHARACTERISTICS AND*  
*SURFACE QUALITY*

**TOPFLOW**  
HORIZONTAL

**Product** TOPFLOW HORIZONTAL  
**Client** CHRISTOPHE GORDON-BROWN  
**Main contractor** LANGWITH BUILDERS  
**Location** VARSITY HOTEL, CAMBRIDGE  
**Date of completion** APRIL 2011

*Topflow Horizontal's finishing characteristics and high quality surface finish eliminate the need to power float concrete on site.*

#### THE CHALLENGE

To produce a unique, contemporary feature wall and window in one of Cambridge's finest hotels. The wall was to be produced in concrete with a concave centre that would allow the fitting of a sculptured helix that was then to be covered in gold leaf. The hotel is situated down one of Cambridge's narrow lanes so coordinating traffic during the pour had to be factored in.

#### OUR SOLUTION

Tarmac cast a self compacting concrete on site horizontally. The formwork detail had to be perfect as every aspect would be replicated by the concrete. We advised the client on formwork and release oils, in particular where we were casting concrete directly against the gypsum mould for the concave centre. Further advice was given to strike times, calculated strength gain including flexural. We put the client in touch with experts on repositioning the slab from horizontal into the final vertical position.

#### RESULTS AND BENEFITS

The final result is exactly what our client and the hotel were looking for. Both expressed their thanks and appreciation for all the help and advice from Tarmac.

# TOPFLOW

For more details contact your [topflow@tarmac.com](mailto:topflow@tarmac.com) or call 0800 1 218 218

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