

One Hyde Park Exclusive New Build Apartment Development

The Challenge

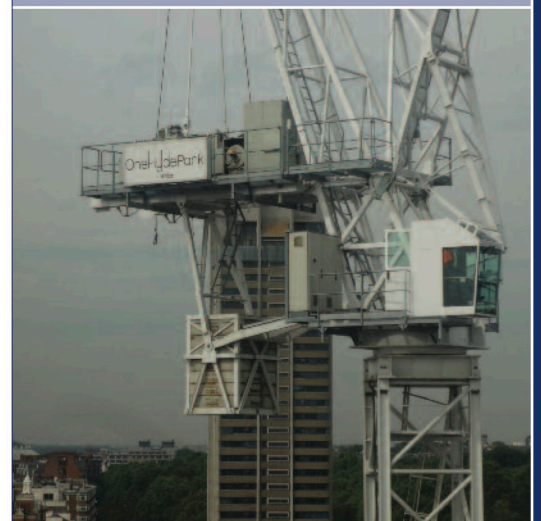
Candy and Candy's One Hyde Park is the UK's most exclusive apartment scheme, and set a new world record when one of the apartments was sold for a figure in excess of £100m. Comprising four 'pavilion towers', named A to D, with four apartments on each pavilion floor, minimum Part E standards had to be significantly exceeded to ensure the scheme was delivered 'fit for purpose' by providing only the highest quality residential environment.

In addition, to maximise return on investment for the developers and ensure all the apartments could be handed over at the same time, the site programme was scheduled at an optimum pace.

Acoustic consultants, Alan Saunders Associates, had to consider all of these factors when evaluating how to control impact sound in the exclusive development, leading to the specification of Regupol® 6010BA, a high performance acoustic underscreed system from CMS Acoustic Solutions.



Regupol® 6010BA was specified for One Hyde Park based on its superior sound insulation performance and sustainable credentials.



The Solution

Manufactured in Germany by BSW, Regupol® 6010BA is a highly sustainable acoustic product. Made from recycled tyre crumb, it offers zero Global Warming Potential (GWP) and zero Ozone Depletion Potential (ODP).

Regupol® 6010BA was specified for all apartments, with the material controlling impact sound in areas where a stone or marble floor finish was to be used. Throughout the entire scheme, this equated to approximately 16,000m² of Regupol® 6010BA being installed.

As a high load bearing product, Regupol® 6010BA delivers excellent impact and airborne performance while withstanding loads of up to 50kN/m². Offering long term performance without risk of collapse under high point loads, Regupol® 6010BA is also resistant to ageing and deformation, which means it will continue to deliver superior sound insulation for the lifetime of its installation.

Results

Significantly exceeding the maximum Part E requirement of 62dB, Regupol® 6010BA can achieve impact sound values as low of 38dB, making it ideal for the isolation of floor screeds in luxury new build apartments.

On pavilions A and D, specialist subcontractor Mivan was responsible for the installation of Regupol® 6010BA. Alastair Ley, senior site manager, Mivan, comments: "Part of the site brief was to complete the installation as efficiently as possible, to enable the developer to hand over all apartments at the same time.

"As well as offering excellent acoustic performance, Regupol® 6010BA proved extremely easy to work with, which made the installation procedure simple and efficient – allowing us to make excellent progress on-site."



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