

# Case Studies

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## *The White Cube Gallery, Bond Street*



Architect and Engineer: MRJ Rundell & Associates

Curator: Adriano Pedrosa

Date: 2006

Building component: concrete

Material Study:

Concrete is a composite material composed of coarse granular material (the aggregate or filler) embedded in a hard matrix of material (the cement or binder) that fills the space among the aggregate particles and glues them together. Concrete is strong in compression, as the aggregate efficiently carries the compression load.

## *The Marketing Suite, Vauxhall*



Architect: Camlins and Woods Bagot

Engineer: ARUP Associates

Client: Ballymore Group

Date: 1st September 2012

Building component: opaque glass facade

Material Study:

The first goal here is to improve thermal mass while reducing weight and depth. This will need cheap (not there yet) phase change particles embedded in thin plasterboard. Or with exposed, very efficient concrete located at ceiling level. The target? Lightweight, prefabricated, opaque façades that are easy to install and to reuse and that behave thermally as heavy massive walls. We only have to cross the cost threshold, and we can do that using existing materials and aggregates.