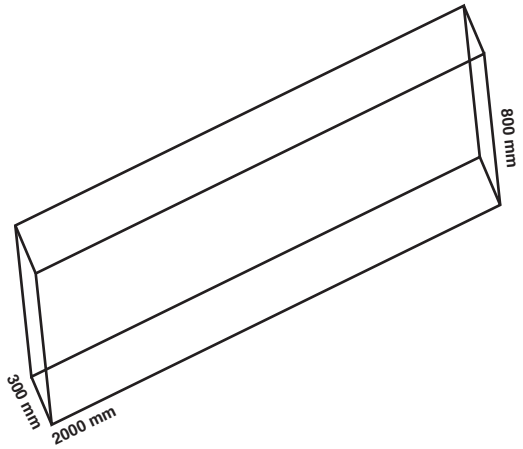
Andrea Nuccetelli
TS Materials
Second Year

Name: British Museum Extension

Architect: Rogers Stirk Harbour&Partners

Engineer: Ramboll UK (Mark Whitby)

Contractor: Mace Group



-Precast slabs of concreteconcrete slabs.
-Used as load bearing floor components.
-The panels span between steel beams.
-Estimated measures: 80x2000x300 mm (each single component).
-Weight of approximately

-Made of concrete - composite material, a mix between rough granular material (i.e. filler) set inside a hard binding material (i.e the cement). The cement fills the gaps between the particles, ‘glueing’ them together.
-Speculated it was precast in set moulds, in the measurements needed, and later on transported to the building site
– 24h curing in stainless steel rectangular mould -
-Used as components (slabs), then joined together side by side to make up the floors. Fixed onto steel beams.

-Concrete is used for its resistance (high in mass= strength) and its stability.
-In this instance it is not exposed (will later be covered up presumably), however also a material choice due to its ability to handle extreme weather conditions (i.e. cold).
-Not expensive and relatively handy to produce and cast.
-Convenient in use ~ precast and simply trasported and placed into location.