

TS 02 MATERIALS - Construction site material exercise

Material analysis- Timber panel

Timber is one of the oldest materials because of its light weight and the potential of under tension and compression.

Timber panel is widely used within a construction site as a easy and efficiency of layering on top of the scaffolding.

Construction site

Tottenham Court road, London
Number of Stories - 6
Building height - 16m
Repairing damaged facade

The British Standard specifies requirement for wooden Scaffold - boards with a width of 225 mm and a thickness of either 38 mm or 63 mm. It covers board sizing, board construction, and timber quality and grading, for which it specifies:

I) for 38mm thick Scaffold-boards, as follows : 1.2m support centre, - a grade that is suitable for support at centres up to 1.2m

II) a single grade for 63mm thick Scaffold-boards that is suitable for support at centres up to 2.5mm

The standard size or wooden planks

Thickness	Width	Length
38mm	225mm	2000mm
38mm	225mm	3000mm
38mm	225mm	4000mm

