

Group exercise – International Building Materials and components

In this exercise you should try to describe (by words and pictures) the materials and components used for the building shown in the picture below.

In addition also the questions on the following pages should be answered.



Remember that each component can consist of more different materials.

Also remember to describe the materials used at the surrounding areas.

IMPORTANT

Working procedure: Group work.

Submitting procedure: One power point or pdf file per group.
File name: International Building Materials and components

Upload here: <http://www.tcu-via.com/index.php/submitting>

Deadline: Given by the lectures.

Each group must present the power point describing the materials and components for the building and the relevant questions listed below.

Each group has 8 minutes for the presentation and then 2 min feedback and question time.

Foundation: Group

1. What kind of foundation is common?
2. What materials are used for foundations?

Flooring:

Solid floor: (Read SBI) Group

1. Are there any measurement requirements for ground floor materials?
2. Are there any other types of ground floors used in China?

Suspended floor & Upper suspended floor: Group

1. What kind of floor finishes can be used? Fx. Screed, tiles, wooden floor....
2. What is a non-suspended floor and a suspended floor? Reference: wooden floors Wood
2. What type of floor is common in China?

Walls:

Basement external wall: Group

1. How do basement external walls look like?
2. What material is commonly used for basement walls?

Heavy external wall: Group

1. How do heavy external walls look like?
2. What material is commonly used for external walls in China?

Light external wall: Group

1. There are many ways and many materials used for light external wall. Could you suggest more examples than the ones shown?
2. What material can be used for light external walls?

Internal wall: Group

1. Give examples on both load bearing and non load bearing walls and explain the difference.

Windows:

Window: Group

1. Find more types of windows
2. What kind of window can you see in China?

Doors:

Door: Group

1. Do you know more types of doors than the ones shown? Please describe!
2. What kind of doors do you find in China?

Roofs:

Roof: Group

1. How do roof constructions look like?
2. Which materials are used for roof coverings in China?

Building service:

1. Prepare a presentation explaining the service areas

Sewerage (rain water & waste water): Group

Describe how sewerage system is done?

What is the difference between Denmark and China?

Water supply: Group

Describe how water supply is done?

What is the difference between Denmark and China?

Heating: Group

Describe how heating is done?

What is the difference between Denmark and China?

Ventilation: Group

Describe how building ventilation is done?

What is the difference between Denmark and China?

Research reference : Building English, internet, PPT of building component analysis, PPT floor types, Wooden floors, SBI Direction 189 foundation