Unit 202: Changing practices over time

# Worksheet 4: Post-1919 construction methods (Tutor)

1. Fill in the missing words about types of damp proof course (DPC).
2. Rising damp can be prevented by installing horizontal DPC.
3. Penetrating damp can be prevented by installing vertical DPC.
4. Research online. How high above finished ground or path level must horizontal DPC be?

Minimum of 150 mm

1. A cavity wall consists of an inner leaf and an outer leaf. How is stability of the wall achieved?

Wall ties are built into each leaf across the cavity to join them.

1. Draw a line from each label to identify the appropriate item in **Figure 1**.

*A picture containing building material, building, brick, rectangle

Description automatically generated*

**Wall tie**

**Timber frame**

**Vapour permeable barrier**

**Timber sheathing**

**Face brickwork**

**Figure 1**

1. Give a definition of a vapour permeable barrier.

A vapour permeable barrier is a barrier that prevents the passage of air but allows the passage of moisture.

1. Why must cavity walls and the buildings they are a part of be airtight?

Because uncontrolled movement of air in and out of a building results in significant heat loss.

1. State **two** advantages of using powered machinery for cutting masonry components.

Any two of the following:

* greater efficiency
* more accuracy
* higher productivity

Any other correct answers can be accepted.

1. State **one** advantage of using prefabrication methods to construct walls as brick units.

Any one of the following:

* less reliance on skilled labour
* speed up construction times
* structural concrete and insulation can be incorporated

Any other correct answers can be accepted.