

Worksheet 5.1 answers

Internal plastering and fixing dry lining

Answers:

Task 1

- Plasterboard for the ceilings and partitions.
- Dry wall screws for fixing plasterboard.
- Thin coat beads for forming returns on partitions.
- Self-adhesive scrim for reinforcing joints.
- Standard angle beads for forming returns on blockwork returns.
- Hardwall backing plaster for the floating coat.
- Multi-finish plaster for the finish.

Task 2

1. Erect staging and fix plasterboard to ceiling joists.
2. Fix plasterboard to partitions.
3. Fix standard angle beads to returns.
4. Apply floating coat to walls.
5. Apply self-adhesive scrim to ceiling joints and wall angles.
6. Apply finishing plaster to ceilings.
7. Fix thin coat beads to partitions.
8. Apply self-adhesive scrim on all plasterboard joints and floated wall angles.
9. Apply finishing plaster to partitions and floated walls.

Task 3

- Fully boarded staging would be erected when fixing plasterboard and applying finishing plaster to the ground and first floor ceilings.
- A hop-up would be used to apply plaster to walls.

Task 4

- Ventilation
- Power source
- Clean water
- Mixing equipment
- Waste disposal area

Task 5

Check that returns are square and the margins are correct.

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Task 6

- The ceilings and partitions would be fixed with timber lath and then applied with lime plaster as three coat work.
- All returns would be formed with timber rules.
- Block walls would be floated with lime mortar and finished with lime putty.
- The drying times would be longer, causing slow setting times.
- Timber laths would be cut and fixed with a lath hammer using nails, which is a much slower process than fixing plasterboard.
- Materials would be mixed by hand.

Task 7

Drawing and specification. Drawings provide dimensions to allow calculations to be made for walls and ceilings. The specification outlines the make of product to be used.

Task 8

Length × Width = Area

Task 9

1 bag of hardwall undercoat costs £9.45 and the coverage = 3.5 m²

1 bag of multi-finish plaster costs £11.20 and the coverage = 10 m²

9.5 m × 7.9 m = 75.05 m²

75.05 m² ÷ 3.5 m² = 21.44 = 22 bags

75.05 m² ÷ 10 m² = 7.50 = 8 bags

Work out the total cost of the undercoat and finishing plaster with 5 per cent added for waste:

Hardwall undercoat cost = 22 bags × £9.45 = £207.90

Multi-finish plaster cost = 8 bags × £11.20 = £89.60

Total cost = £297.50 with added allowance for waste = £312.38

Task 10

Gypsum plasters and plasterboard absorb moisture, therefore they will become unsuitable for use as they perish if they are prone to constant moisture.

Task 11

Waterproofer is used to form a waterproof barrier, and salt inhibitor controls reoccurrence of efflorescence.

Task 12

Lime and cement

Task 13

- Respirator
- Gloves
- Glasses