

TRADE OF PLASTERING

PHASE 2

Module 3

Slabbing, Skimming, Dry Lining and Floors

UNIT: 6

Planting Boards to Walls and Fixing Boards to Ceilings

Produced by

SOLAS

An tSeirbhís Oideachais Leanúnaigh agus Scileanna
Further Education and Training Authority

In cooperation with subject matter expert:

Terry Egan

Some images & text courtesy of Gypsum Industries Ltd.

© SOLAS

Table of Contents

Introduction.....	1
Unit Objective	1
1.0 Estimating and Calculating Quantities of Materials and Project Costs..	1
1.1 Perimeters and Areas of Walls, Ceilings and Reveals	1
1.2 Costing of Job	2
2.0 Interpreting and Drawing Section of Dry Lined Wall	3
2.1 Section of Block Wall with Dry Lining and Position of Dots	3

Introduction

Welcome to this section of your course which is designed to introduce you the learner, to estimate and calculate projects and materials, interpret and draw section of dry lining.

Unit Objective

By the end of this unit each apprentice will be able to:

- Estimate and calculate quantities of materials and project costs
- Interpret and draw section of dry lined wall

1.0 Estimating and Calculating Quantities of Materials and Project Costs

Key Learning Points

- Perimeters and areas of walls, ceilings and reveals
- Costing of job: materials, discount, profit and wastage

1.1 Perimeters and Areas of Walls, Ceilings and Reveals

A building plot that measures 12m by 42 m is to have a chain-link guard fence erected around its boundary, in order that it may be secured at night. Chain-link fencing is €20 a metre to supply and erect. How much fencing will need to be ordered and how much will it cost?

The plot measures 12 m by 42 m and is a rectangle. To find the perimeter, the four sides are added together. The answer will be in metres. To find the cost, the answer is multiplied by the cost of a metre of fencing at €20.

$12+12+42 +42 = 108\text{m}$ of chain link fencing will need to be ordered.

It will cost $108 \times €20 = €2160$ to supply and erect.

Note: The 108 metres represents the perimeter or boundary of the building plot.

A room measuring 6.40m by 4.10m is to have the skirting renewed. How much will be ordered from the timber merchant, and if skirting is €2.80 per metre how much will it cost?

Note: Do not make any allowance for door openings or wastage.

The room measures 6.40 m by 4.10 m. Like the previous problem, the area is a rectangle, and we are trying to find its perimeter. The answer again will be in metres. To find the cost of the skirting the answer must be multiplied by the cost of one metre (€2.80).

$6.40+6.40+4.10+4.10 = 21.00$ m of skirting required.

It will cost $21.00 \times €2.80 = €58.80$

Note: The carpenter will need to add to this for cutting and wastage.

1.2 Costing of Job

Guide to Average Labour Outputs for In-Situ Work

Output in skilled operation hours per m² 6mm skim coat gypsum plaster on:

- Walls - 0.35 Soffits - 0.58

13mm two-coat lightweight plaster on:

- Walls - 0.90 Soffits - 1.15

13mm three-coat lightweight plaster on:

- Walls - 1.10 Soffits - 1.32

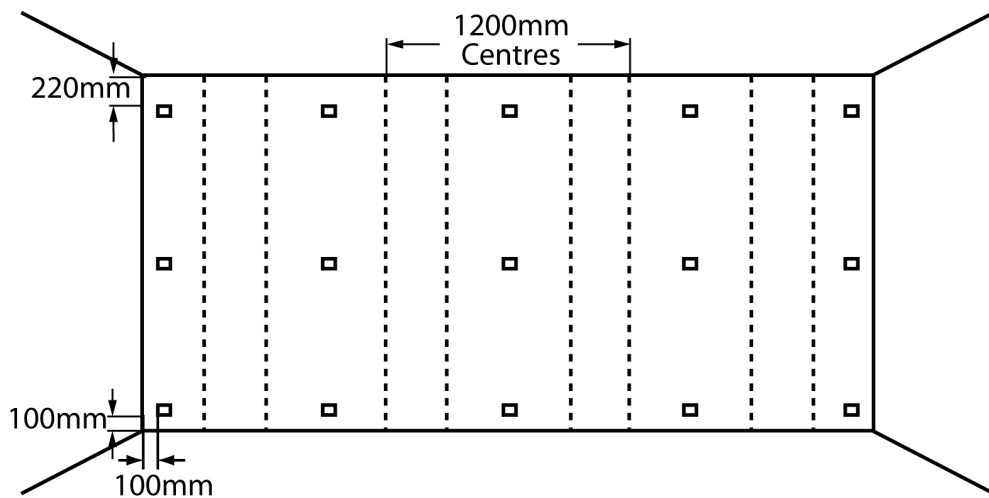
Angle bead, incl. working in two coats of lightweight plaster - 0.15 per metre

2.0 Interpreting and Drawing Section of Dry Lined Wall

Key Learning Points

- Section of block wall with dry lining showing position of dots

2.1 Section of Block Wall with Dry Lining and Position of Dots



Setting out of dots for plaster boards

S O L A S

An tSeirbhís Oideachais Leanúnaigh agus Scileanna
Further Education and Training Authority

*27-33 Upper Baggot Street
Dublin 4*