

Teacher's guide: Projecting a Brick Wall

Theme

- Recycling
- Design
- Exposure Classes

Recommended Duration in Hours

- 1 hour and 40 minutes



Introduction

In this material, the apprentice will project a sample brick wall, which will later be built in the workshop and subsequently demolished. Separate teacher guidance is available for the practical part.

The sample wall should consist of 3 to 5 sections, each representing an exposure class. For each exposure class, the apprentice must choose a mortar suitable for use. The apprentice can seek assistance by reviewing their answers from the task related to the 'Design for Separation' section.

Preparation

- Determine the space available for the apprentice to create the sample wall in the workshop.
- Consider whether it makes sense to integrate this task into a theoretical assignment that the apprentice is already working on.
- Research suitable mortars for use in different exposure classes.

Learning Objectives

- The apprentice can project masonry designed for separation, considering different exposure classes.
- The apprentice can explain whether a mortar is suitable for use in a construction that needs to be disassembled when the construction is eventually demolished.
- The apprentice can express their knowledge and opinion about the suitability of a mortar for constructions designed for separation, considering different exposure classes.

Content and Purpose

The purpose is to prepare the apprentice for the practical task to be performed in the next instructional element.

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Suggested Lesson Plan

Presentation of the Material

- Presentation of the material, including purpose and practical task.
- Presentation of the task and specification of local constraints, such as space limitations in the workshop, a limited number of mortar types, etc.

Execution of Projecting

- The apprentice carries out the projection of the sample wall.
- The teacher approves the drawing material.

Differentiation

The sample wall can be shaped based on the apprentice's theoretical and practical abilities.

Feedback and Evaluation

The teacher provides feedback during the approval of the drawing material, ensuring that academically strong apprentices are challenged, and challenged apprentices are assisted.

