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## Overview

This standard covers the installation of small element kerbs and edge restraints that are used within the hard-landscaping industries.

It is suitable for operatives working under limited supervision and focuses on the skills required to both understand the structure and to undertake the installation of edge restraints while working to specifications.

You will be expected to understand the impact of the installation work on the immediate environment, and the impact of the environment on the structure.

**Performance  
criteria**

**You must be able to:**

- P1 assess the risks associated with the site and the proposed work
- P2 select, prepare, use and maintain tools and equipment that are appropriate for the work safely and effectively
- P3 set out for line and level
- P4 place and prepare a suitable bed
- P5 lay units to the correct line and level
- P6 cut-in units to required specifications
- P7 maintain correct joint width
- P8 check completed installation for compliance and rectify any problems
- P9 haunch units
- P10 keep damage, unnecessary waste, unwanted impact on the environment and pollution to a minimum
- P11 keep the site in a clean and tidy condition
- P12 clean and store tools and equipment promptly and securely
- P13 protect working areas effectively against weather and use until they are in a suitable condition
- P14 leave the site safe, tidy and suitable for intended use
- P15 maintain effective working relations with relevant people throughout
- P16 carry out all work in accordance with relevant environmental and health and safety legislation, risk assessment requirements, codes of practice and company policies

### Knowledge and understanding

#### You need to know and understand:

- K1 the weather conditions that are appropriate for installation
- K2 how to interpret specifications
- K3 how to measure to ensure work is within tolerances
- K4 how falls, lines and levels are determined and set out
- K5 how to select and prepare the correct tools and equipment for installation, including PPE and RPE
- K6 how to use, maintain, clean and store the required tools and equipment correctly
- K7 the range of small unit kerb systems and other suitable units that are available and their suitable applications
- K8 the importance of robust edge restraints
- K9 the importance of using the correct type of bed material
- K10 how the bed is placed and prepared, and how it is shaped to follow summits, hollows and transitions
- K11 the pros and cons of using fresh windrow bedding and pre-placed races
- K12 how to calculate the number of units required
- K13 how units should be stored on site, how they are delivered to the laying face, and how they are positioned for the laying operative
- K14 the pros and cons of both butt-jointed and mortar-jointed installations
- K15 how units are consolidated to the required line and level
- K16 how edge restraints are checked for accuracy in alignment along both straights and curves
- K17 use of cutting tools including guillotine, saw and trimming tools
- K18 the importance of dust-suppression and RPE when using a cut-off saw
- K19 removal and replacement of defective units
- K20 your responsibilities under current environmental and health and safety legislation, codes of practice and company policies

## Glossary

Instructions: verbal or written.

Specifications: drawings, schedules, method statements, Standard Operating Procedures (SOPs), manufacturers' guidelines.

PPE: Personal Protective Equipment.

RPE: Respiratory Protective Equipment.

Tools and equipment:

- cut-off saw
- maul and/or mallet
- appropriate PPE and RPE

Installation tasks:

- set out for line and level
- place a suitable kerb race
- lay units onto a mortar bed on a pre-existing race
- lay units to a straight line (windrow)
- lay units to a true arc
- lay units to a free curve
- construct a dropped crossing
- lay transitions between two different types of unit
- lay units to a right-angled return using internal/external angle units and quadrants
- lift and repair

Units:

- small kerb units (<250mm length)
- small paving units (<250mm length e.g.: block pavers)
- setts/cubes/cobbles (<250mm length)

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Relevant occupations Landscaper

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