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## Overview

This standard covers the installation of kerbs, channels and edgings 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 kerbs, channels and edgings to the correct line and level
- P6 cut in to required specifications
- P7 maintain correct joint width
- P8 check completed work for compliance with specifications and rectify any problems
- P9 haunch edge restraints
- 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 the correct tools and equipment for installation, including PPE and RPE
- K6 the importance of dust-suppression and RPE when using a cut-off saw
- K7 how to use, maintain, clean and store the required tools and equipment correctly
- K8 how to carry out a risk assessment for installation and decide on safe working methods
- K9 the range of edge restraints available and their suitable applications
- K10 the importance of robust edge restraints
- K11 the importance of using the correct type of bed material
- K12 how the bed is placed and prepared, and how it is shaped to follow summits, hollows and transitions
- K13 the pros and cons of using fresh windrow bedding and pre-placed races
- K14 how to calculate the quantity of units required
- K15 how units should be stored on site, how they are delivered to the laying face, and how they are positioned for the laying operative
- K16 how units are manoeuvred into position using mechanical and/or vacuum lifting aids
- K17 how units are consolidated to the required line and level
- K18 how edge restraints are checked for accuracy in alignment along both straights and curves
- K19 how cutting is achieved, following the principles of minimum unit size
- K20 use of cutting tools including guillotines, saws and trimming tools
- K21 the potential for environmental pollution and how to prevent it
- K22 the importance of using the correct jointing method and its role in the performance of the completed edge restraint
- K23 removal and replacement of defective units
- K24 the dangers of underground services and how to take account of these when working
- K25 your responsibilities under current environmental and health and safety legislation, codes of practice and company policies

## Glossary

RPE: Respiratory Protective Equipment.

PPE: Personal Protective Equipment.

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

Instructions: verbal or written.

Tools and equipment:

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

Installation tasks:

- 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
- install a dropped crossing
- lay transitions between two different types of unit
- lay an edge restraint to a right-angled return using internal/external angle units and quadrants
- lay channels to an existing kerb line
- lift and repair

Materials:

- concrete road kerbs
- stone road kerbs
- concrete dished/fluted channels
- stone dished/fluted channels
- concrete flat channels
- stone flat channels
- concrete edgings
- stone edgings

LANH46 SQA Unit Code H532 04  
Install kerbs, channels and edgings



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Relevant occupations Landscaper

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Suite Horticulture

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