

Guidance Document

G0131B Guidance on Station Platforms

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MAYOR OF LONDON



Contents

1	Purpose	3
2	Scope	3
3	Guidance	3
3.1	Platforms generally	3
3.2	Platform Edge Nosing (aka Copers)	4
3.3	Platform Tactile Paving	5
3.4	Platform Surfacing	5
3.5	Platform Marking	6
3.6	Platform Humps	7
3.7	Platform Features	7
4	Responsibilities	7
5	Supporting information	7
5.1	Background	7
5.2	Safety considerations	7
5.3	Environmental considerations	8
5.4	Customer considerations	8
5.5	Other information	8
6	References	8
6.1	Person accountable for the document	8
6.2	Document history	8

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1 Purpose

- 1.1 The purpose of this Guidance Document is to support the delivery of project or maintenance works on assets required to comply with LU Cat 1 standard S1131 Premises - Station Platforms. Clauses from S1131 are not repeated here so must be read in conjunction with this document.

2 Scope

- 2.1 This Guidance applies to the materials that may be used to surface platforms on London Underground stations, the preparation of platforms to receive them, the laying and fixing of them and the provisions to be made to accommodate other platform features. It applies to all areas where the initial laying of normal platform surfaces and their subsequent maintenance and renewal is required. Both types of platforms, solid and suspended, which are common throughout the system, are covered.
- 2.2 Design loading for platforms is defined in LU Cat 1 standard S1053 Civil Engineering – Building and Station Structures.
- 2.3 For guidance on platform tactile strips refer to G0131A. For guidance on platform accessibility humps refer to G347.

3 Guidance

3.1 Platforms generally

- 3.1.1 Precast concrete paving slabs have a proven good performance in open areas. Refer also to section 3.4 for more detail on selection of the appropriate finishes for platforms with different levels of weather exposure.
- 3.1.2 The nature and integrity of an existing supporting structure or existing materials to be paved over should be investigated by uncovering test areas or excavating trial pits. Structural joints should be clearly identified and taken through to the surface of new paving using suitable joint fillers. See also 3.1.7.
- 3.1.3 Any necessary remedial measures should be undertaken and damaged areas made good before laying any new surfacing.
- 3.1.4 In open areas surface water drainage arrangements based on a level survey should be determined before the paving design is completed. “Heel guard” type channel covers should be used wherever a drainage channel is likely to be regularly traversed by customers or staff.
- 3.1.5 Stations below ground, although not exposed to the weather, are subject to wetting and the removal and disposal of water should be considered.
- 3.1.7 In all locations; wherever there is a change in the platform support structure below the surfacing, a movement joint should be constructed. The setting out of expansion joints, as required by the surface material, should be from these movement joints. Transition and cover strips to joints shall be firmly fixed and set flush with the floor finish to avoid forming a trip hazard.
- 3.1.8 The junction / skirting between floors and walls shall be designed to minimise damage and discolouration, and facilitate cleaning. The skirting shall be defined to assist the visually impaired, further guidance for which is given in BS 8300.