

14 Edgebreak

14.1 Scope

This section sets out the requirements for **edge break** repairs.

14.2 Definitions

Terms defined in Table 3.2, Definitions appear in **bold**.

14.3 Response Times

The Contractor must complete all **edge break** repairs, including reinstating **pavement** markings, by the date shown on the agreed **programme**.

Table 14.1 states the response time for reinstatement of all **pavement** markings and removal of all loose chip from site.

Class	Response Time	
	Pavement Markings*	Removal of Loose Chip*
All Highways	Within 48 hours of completing first coat and, where required, second coat seals	Within 48 hours

* Note: All loose chip must be removed prior to reinstatement of **pavement** markings. All **pavement** markings must be reinstated and loose chip must be completely removed from site prior to the removal of temporary traffic control.

Where the repair is a **pre-reseal** repair, a **second coat seal** is not required.

14.4 Specific Requirements

14.4.1. Repair Methods

14.4.1.1. Shoulder Preparation

If **shoulder** maintenance is required it shall be carried out prior to the **edge break** repair as specified in Section 16.

14.4.1.2. Preparation of Edge Break Repair Area

Before **edge break** is repaired, firm support shall be provided on each side of the repair area including tapers. A firm foundation and a vertical face of not less than 25 mm where the **edge break** fill material abuts the existing seal, are required.

14.4.1.3. Construction of Edge Break Fill Material

The **edge break** fill material shall be either **premix** or granular.

14.4.1.4. Construction of Edge Break Fill Material - Premix

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When the **edge break** fill is **premix**, to ensure bond between existing and fill material including the vertical seal face, a light tackcoat of emulsion shall be applied before any fill material is placed. Upon completion, the outer edge of the repair shall present a uniform line lying between zero and 70 mm outside the nominal edge of the seal being repaired. At the end of the repair proper, any required transition between the existing seal edge and the repair edge shall be effected by a flat taper. Where the **edge break** repair is a **pre-reseal** repair, the texture and hardness of the repair must be consistent with the reseal design, at the intended time of reseal.

14.4.1.5. Edge Break Fill Material – Granular material

Where **edge break** repairs are completed using granular material, they shall be surfaced as specified in Section 11 and the following:

- a) shall have a tidy appearance of rectangular shape without ragged edges.
- b) any taper shall be sealed to follow the tapered line to form a tidy triangular shape.
- c) the **edge break** repair area plus an overlap of 70 mm \pm 20 mm onto the existing seal shall be sealed.

14.5 Performance Criteria

The performance of the Contractor during the contract period will be measured by the following criteria:

- a) that all work is carried out in accordance with this Specification by the date shown on the agreed **programme**, and within the response times stated.
- b) inspections are completed on time and inspection records are available when requested by the engineer.
- c) **edge break** repairs shall be carried out so that upon completion of the work a stable repair which does not weave or creep under the action of compaction equipment or road traffic is produced. The finished surface shall be a continuation of the adjacent sealed surface and shall not hold surface water
- d) the completed surface shall have no **flushing** or **bleeding**
- e) that the repair remains an integral part of the **pavement** structure within the specified tolerance.
- f) there is no seal loss encroaching into the seal road surface by more than 100mm.
- g) that there is no **vegetation** growing through the finished repair at time of payment.
- h) there shall be no **depressions** between the repaired area and the existing edge of seal that will allow water to pond.
- i) the surface shape of repairs shall be such that the existing road crossfall is maintained.
- j) repairs shall be constructed to the tolerances in Appendix 2.3.