**PAVEMENT CROSS-SECTION**

<table>
<thead>
<tr>
<th>Layers</th>
<th>Material</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymer modified friction course (Optional)</td>
<td>Bituminous (non-structural layer)</td>
<td>30</td>
</tr>
<tr>
<td>Wearing course</td>
<td>Bituminous</td>
<td>40</td>
</tr>
<tr>
<td>Base course</td>
<td>Bituminous</td>
<td>65</td>
</tr>
<tr>
<td>Road base</td>
<td></td>
<td>max. 395</td>
</tr>
<tr>
<td>Sub-base</td>
<td>Granular</td>
<td>Designed to RD/GN/042</td>
</tr>
</tbody>
</table>

1. Minimum cut back distance = 2 x D or 100 whichever is greater.
2. Minimum overlap between adjoining layers:
   - 150 for joints longitudinal to carriageway.
   - 500 for joints transverse to carriageway.
3. Where the crossfall of road surface is towards the kerb the sub-base should be carried through to the edge of the embankment or to the filter drain.
4. Refer to the general specification for the nominal sizes of materials.
5. Kerb units shall be laid on 1:3 cement mortar not less than 10 mm thick and not more than 40 mm thick.
6. All dimensions are in millimetres.

**THICKNESS OF PAVEMENT LAYERS**

**JOINTS IN BITUMINOUS MATERIALS LAYERS**

**TYPICAL BITUMINOUS PAVEMENT CONSTRUCTION**

**HIGHWAYS DEPARTMENT**

**REFERENCE**

**DRAWING No.**

**SCALE**

Diagrammatic

**HIGHWAYS DEPARTMENT**

**REFERENCE**

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