# Product technical specification

The below specifications outline the features of standard Roadmaster models. However bespoke design and build services are available.

<table>
<thead>
<tr>
<th>Model</th>
<th>95</th>
<th>195</th>
<th>295</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle Options</td>
<td>4 x 2</td>
<td>4 x 2</td>
<td>6 x 2</td>
</tr>
<tr>
<td>Length</td>
<td>6,200mm</td>
<td>8,250mm</td>
<td>10,200mm</td>
</tr>
<tr>
<td>Width</td>
<td>2,500mm</td>
<td>2,500mm</td>
<td>2,500mm</td>
</tr>
<tr>
<td>Height</td>
<td>2,700mm</td>
<td>2,930mm</td>
<td>3,300mm</td>
</tr>
<tr>
<td>G.V.W</td>
<td>12,000kg</td>
<td>18,000kg</td>
<td>26,000kg</td>
</tr>
<tr>
<td>Aggregate capacity</td>
<td>3m³</td>
<td>5m³</td>
<td>7m³</td>
</tr>
<tr>
<td>Emulsion capacity</td>
<td>860lt</td>
<td>1600lt</td>
<td>2000lt</td>
</tr>
</tbody>
</table>

**Equipment**

- **Aggregate Hopper**: Option of 7m³, 5m³ or 3m³ hopper. Hydraulically operated lid with quick release clamps.
- **Blower**: Lobe type direct coupled to Hatz SilentPack diesel engine with operator selectable speed.
- **Hydraulic System**: Tandem pump on Hatz engine to operate all services.
- **Bitumen emulsion Tank**: Non-pressurised insulated thermostatic controlled tank.
- **Bitumen emulsion Heater**: Automatic oil fired burner.
- **Bitumen emulsion Delivery**: Pump driven circulation system with balancing valve.
- **Flush System**: 30 litre water flush with auto off.
- **Bitumen Spray System**: Patented twin spray jet system with mixer jet.
- **Stone Chip and Spread System**: Patented splitter system.
- **Rear Observation System**: BackEye CCTV system. Also infra red rear detection system.

*Due to our continued policy of product improvement we reserve the right to modify design details without notice.*
The Roadmaster® benefits

- Maximum safety - No operators on the road
- Fast - excellent mobility
- Wide range of repair options
- Long lasting & high quality repairs
- Maximum manoeuvrability
- No operator exposure to health risks
- Low carbon footprint
- Zero waste

Preventative maintenance

The Roadmaster®, with its patented application system can quickly and effectively apply single or multiple sealing layers to the cracked surface, extending the life of the road at minimum cost, and with very little disruption to normal traffic.

The future of road repair

Archway’s flagship product, the Roadmaster®, incorporates the latest technology to allow a single operator to carry out road repairs from the safety of the chassis cab. This technology increases operator safety and repair quality, while reducing cost.

Performance

- The Roadmaster® completes the average repair in just a couple of minutes and enables a single operator to carry our hundreds of meters of patching in a single shift.
- There is no requirement to excavate the existing road surface when carrying out SIP and new material is only mixed at point of application so there is zero waste. Therefore there are huge economic and environmental benefits associated with the Roadmaster® operation.
- As the SIP process fills the existing road defect void without the requirement for excavation there is a reduced requirement for new material. This again makes the Roadmaster® an environmentally and economically friendly product.
- The Roadmaster is not only designed to repair fully formed defects but can also treat road surfaces that are in the early stages of deterioration such as fretting and cracked surfaces which ultimately results in a more cost effective programming of any network.

Due to the above facts users have achieved financial saving of up to 80% when compared with conventional repair methods.

Types of Repair

The Roadmaster® can repair a range of road defects including:

- Pot holes
- Edge deterioration
- Centre line joints
- Cracks and crazing
- Deformation
- Pre surface dress patching
- Fretting

Safety

Prevention of injuries to road workers is always at the top of every highways engineer’s priority list when planning and carrying out work, as our industry is considered to be one of the highest risk employment categories globally. The Roadmaster® has been designed with this in mind and has the following key safety features:

- Operated from the safety of the chassis cab - There is no need for an operator to stand on a live carriageway to carry out a road repair.
- There is no manual or material handling on site and no direct environmental exposure.
- The Roadmaster is fitted with manoeuvring sensors, reversing alarms, rear cameras and can also be fitted with a driver assist function.
- An LED arrow board can also be mounted on the rear of the Roadmaster enabling the operation to carry out as independent mobile works unit.

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