

Installation Instructions

1. Mix Material

Material is pre-blended in controlled quantities. Pour the liquid polyester resin into a suitable container followed by the powder hardener component. Using a mechanical mixer ensure that the material is thoroughly mixed (wetted).

2. Bedding Layer

Place layer of bedding mortar on brickwork approximately 25mm to 40mm in depth. Ensure that enough coverage is available to make contact with the entire flange of the casting.

3. Seat Casting

Position casting frame over the access chamber and tamp down to ensure that the mortar keys to the casting. For optimum performance units are designed to be supported under the entire flange area, up to the edge of the clear opening. Failure to provide bedding over this area will detrimentally affect the performance and longevity of the unit.

4. Level Casting

Ensure that the casting is level with the road surface by placing a straight edge across the corners of the casting onto the road. The frame can be made level by tamping the frame into the bedding material.

5. Check Gaps under Flange

Ensure that there are no visible gaps under the flange and smooth bedding material with trowel both inside and outside of chamber.

6. Envelope Flange

Use the remaining mortar to envelope the flange, paying attention to the corner areas. Smooth out the mortar with a trowel to ensure good bonding with the casting and to avoid any initial cracks in the bedding material.

7. Backfill

Check that the bedding material has hardened, then backfill with asphalt. Ensure that the asphalt is properly compacted.

Take care to ensure that the top edge of the frame is level with the intended final road surface, as failure to do so will result in excessive noise in service and/or potentially early failure of the manhole cover/gully grate. Do not allow the product to be trafficked in any way until the final tarmac road course is laid and cured. Failure to follow this advice could result in damage to the manhole cover/gully grate.

Bedding Material:

To meet all the necessary requirements R&B UK JT LTD recommends the use of Polyester Resin Manhole Bedding Mortar.

