



ALTHON KHB LID WITH ASPHALT

ALTHON Channel and Lid Installation for Standard Applications

1. Excavate trench to line and level having due regard for the size of channel unit to be installed.
2. Ensure that there is a firm foundation to the bottom of the trench; otherwise seek expert geotechnical advice. Place 75mm minimum concrete grade ST4 in the bottom of the trench. If ground conditions are aggressive sulphate resisting concrete may be required.
3. Starting at the outfall end lower the first channel unit onto the ST4 concrete bedding, then dry joint successive units, a trowel grade mastic can be used adjacent units. Line and level the units with a laser or other appropriate technique using the minimum solid packing under the channel.
4. Place the ST4 grade concrete backfill surround to the channel, tamped or rammed as necessary to fill all voids, to the top level of the channel rebate.
5. Bed lid on channels with Class 1 mortar with 10-15mm bed ensuring that the bed is level on both sides of the rebate.
6. Bring up road base and finished pavement to sides of lid, or over lid where appropriate.

Installation of ALTHON KHB Lid Units

1. Bed the lid on the channel unit using ALTHON high strength bedding mortar.
2. Top up the channel unit surround using paving quality concrete ensuring that the concrete fills all voids on the underside of the lid.
3. An expansion/contraction joint must be placed parallel to each side of the lid unit at a minimum distance of 500mm from the edge of the lid.

ALTHON Silt Pits

1. ALTHON silt pits should be located at all changes in direction and channel junctions or changes in channel size.
2. ALTHON silt pits to be 600 x 600 for channel sizes up to ALTHON 375.
3. ALTHON silt pits to be 600 x 750 for ALTHON 525 and ALTHON 600 channels.

Rodding Eyes

1. Rodding eyes (or ALTHON silt pits) are required at the head of each run to enable the channel to be cleared of silt deposits.
2. Special lid units incorporating rodding eyes can be supplied by ALTHON.



High Capacity Drainage

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ALTHON Channel Details