

## General points

### Ground Locations

Excessive slab movement resulting in lateral loading on the channel must be avoided by the inclusion of longitudinal expansion joints.

If transverse joints are present in the slab these should cross the channel aligned with a bolted joint in the channel run.

### Product

All components should be stored in a clean, dry level area prior to installation.

For chemically aggressive applications, use ACO Modular 125 stainless steel channel drainage systems.

ACO DeckLine 125 is not suitable for swimming pools.

ACO DeckLine 125 is not suitable for carriageways of public roads or motorways.

## Installation

### Step 1 Excavation

For shallow deck installations allow for a minimum of 30mm bedding material below the channel and approximately 100mm either side of the channel to allow access to levelling feet and joint flange plates.

### Step 2 Pipe Connections

#### Spigot Outlet

Make the connection to the underground pipe with the spigot from the channel, being sure to position the channel correctly.

### Step 3 Positioning

Position the channel and set to line and level using supplied levelling feet. Adjust the feet so the finished installation height is approximately 3mm below the finished floor level.

If the depth of the channel extends beyond the maximum depth of the support legs (70mm), ensure the legs are placed on a suitable material. For further information please contact our Enquiries team on 01462 810 421.

### Step 4 Backfilling

To provide adequate clearance for grating installation, it may be necessary to use timber spacing struts which should be placed within the channel grating seat before concreting in to maintain the correct grating clearance of 2mm.

It may be necessary to weigh the channels down when filling the trench with concrete to prevent channels from lifting or floating.

The bed and surround must have sufficient strength to support the channel in service. A suitable mortar of minimum Strength Class of C30/37 should be used.

Remove any concrete or mortar spillages immediately from the surfaces of the channel.

### Step 5 Grating Installation

Wash and clean the channels taking care to remove any concrete or mortar splashes. Install the gratings and lock using the M8 hexagon bolts with a 13mm A/F wrench.

## Operation and Maintenance

Because of the nature of the channel system, care should be taken to maintain a clear waterway within the channel. Inspections should be made periodically to assess the extent of the debris build-up and maintenance schedule established to remove such debris.

### Cleaning Galvanised Steel

Galvanised steel surfaces can be cleaned and rinsed with copious amounts of clean water. Stubborn stains are to be removed with a stiff bristled brush. Do not use a wire brush.

### Galvanised Steel Maintenance

Heavy damage to the galvanised surface exposes the underlying metal to the atmosphere and corrosion will result if not treated. Any corrosion should be removed by light abrasion and the area treated with one of the many commercially available zinc sprays using the manufacturer's instructions.

