



ACO. creating

the future of drainage

## ACO Climate Tunnel Entrance

Entrance unit for the ACO Climate Tunnel.

The ACO Tunnel Entrance with ACO Entrance Wings forms a continuous transition between the ACO Guide Wall and the ACO Climate Tunnel.

The use of polymer concrete allows a smooth transition between the contours of the tunnel and the guide wall. The entrance wings butt up against the entrance unit and guide walls to either side with millimetre accuracy and allow movement due to freezing and thawing to occur without displacement or cracking. In combination with the ACO Guide Wall system, which includes straight elements, inside and outside curves and riser/dropper units, a functional and harmonious entrance can be created, without the need for trimming and cutting. The Tunnel Entrance is tested and certified to BS EN 1433:2002 Load Class C 250.

### Benefits

- Compatibility with Climate Tunnels and Guide Walls
- Contact surfaces are non-absorbent with minimal thermal conductivity, protecting amphibians
- Adaptable components for variations in terrain

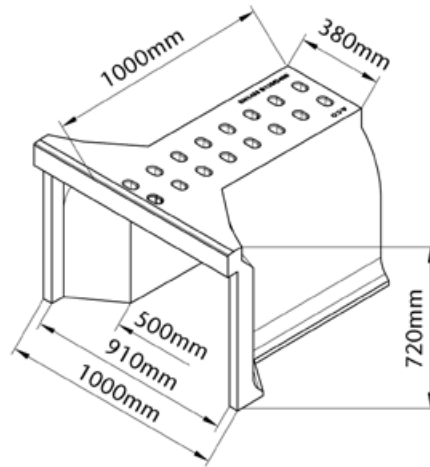


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### Applications

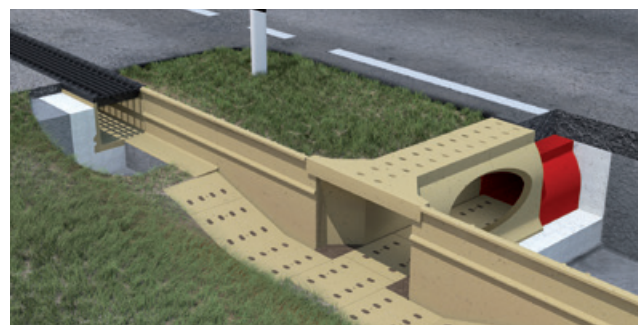
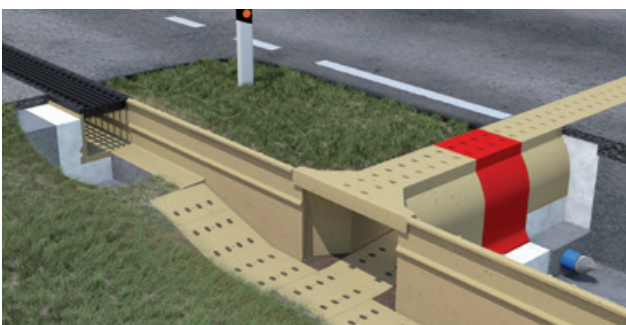
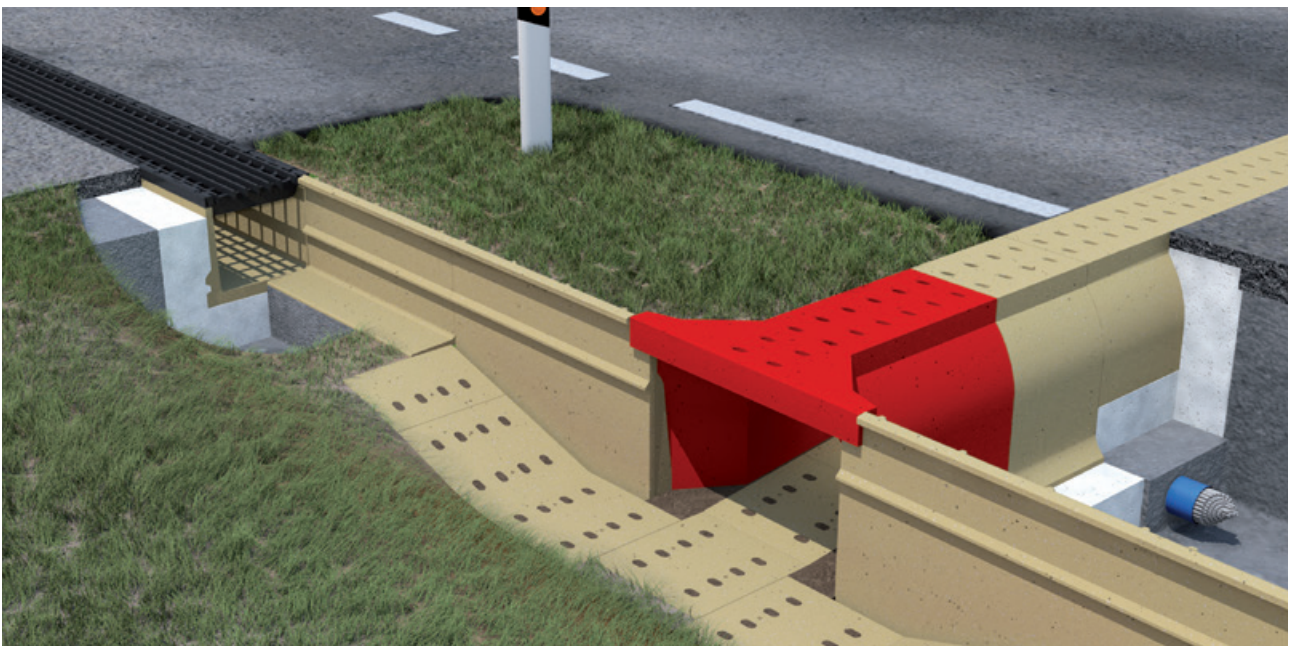
- Migratory paths across road systems
- Tunnels across roads, paths and verges

## System Overview



Product Code	Description	Length [mm]	Width [mm]	Height [mm]	Weight [kg]
<b>ACO Climate Tunnel Entrance</b>					
11124	Climate tunnel entrance	1000	1000	720	284.0
11125	Climate tunnel entrance wing right hand	1080	330	720	67.5
11126	Climate tunnel entrance wing left hand	1080	330	720	66.5
11130	Climate portal complete*	-	-	-	569.1

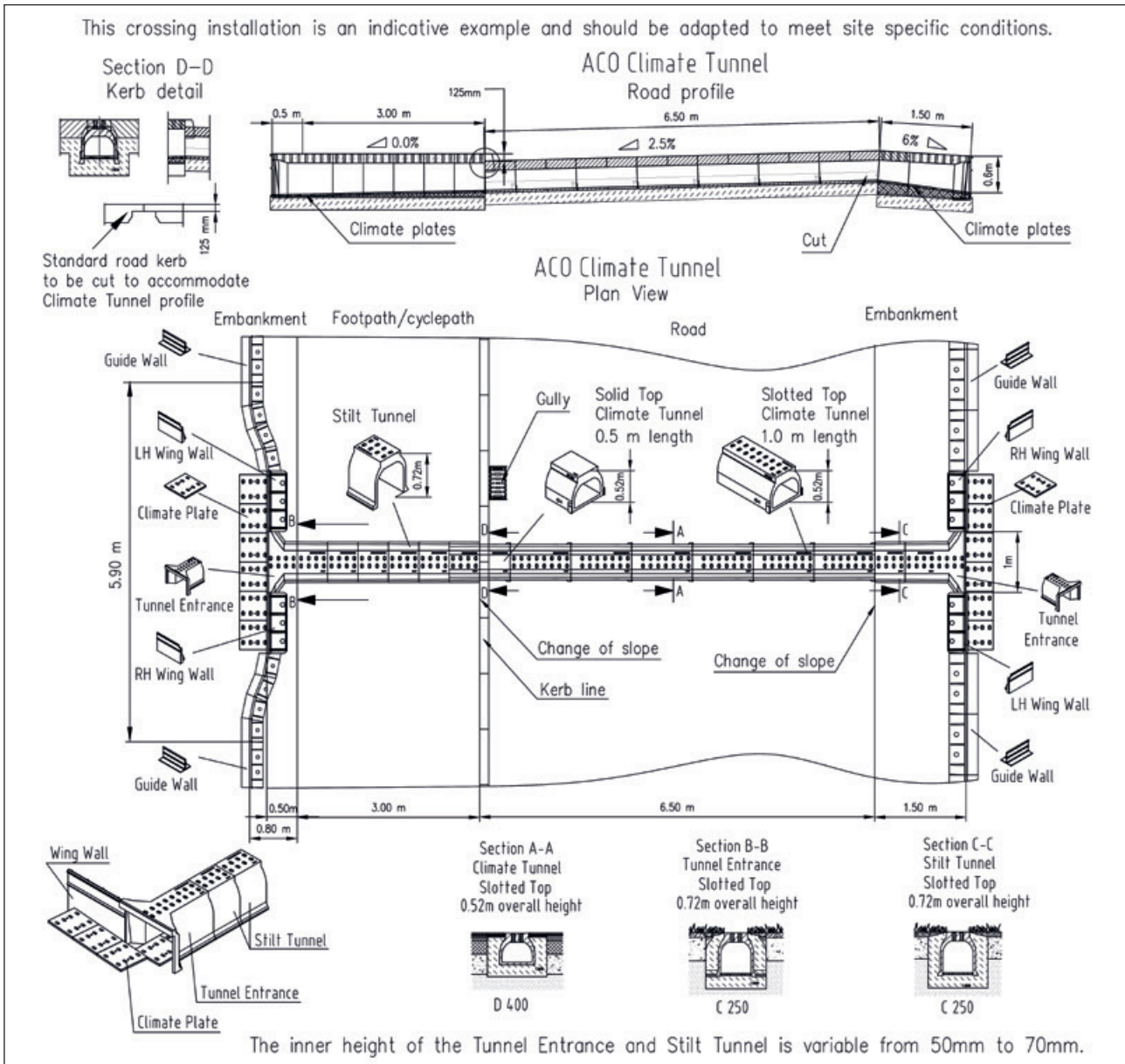
\*11130 Climate portal complete consists of 11124 x1, 11125 x1, 11126 x1, 11127 x9, 11129 x1, and is supplied on a single pallet



## Compatibility

ACO Climate Tunnel Entrance is compatible with ACO Climate Stilt Tunnels and ACO Climate Tunnels, both slotted and solid. Incorporating the ACO Climate plate with drain holes, ensures a drainable transition between the entrance and ACO Climate tunnels located in the roadway.

The versatility of the system allows the tunnels to be installed at road height and transitioning between roads, pedestrian areas and verges.



## Installation recommendation

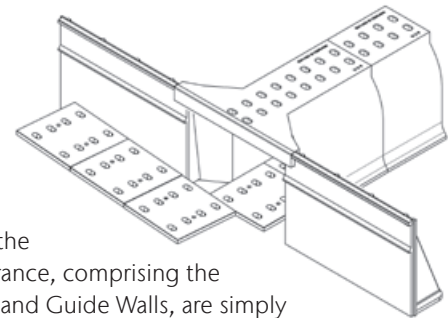
The ACO Tunnel Entrance is bedded on a concrete footing as a continuation of the ACO Climate Tunnel.

To create the entrance ACO Climate Tunnel Entrance Wings are positioned on a pre-compacted gravel bed, or in critical locations on a concrete footing, with the returns fitting into the Tunnel Entrance. They are then backfilled using materials with good drainage characteristics. In critical terrain conditions the units can be given additional anchorage by using various shaped footings. Any of the five Guide Wall units can be used to continue the Guide Wall from the Tunnel Entrance Wing.

For detailed technical information please also refer to the installation recommendations for the ACO Climate Tunnels, and the ACO Guide Wall system.

## The practical advantages

### Drainage characteristics



Components of the ACO Tunnel Entrance, comprising the Tunnel Entrance and Guide Walls, are simply butted up against each other and geotextile applied behind the joints, resulting in excellent drainage characteristics. Ground water is intended to drain through the vertical joints, greatly enhancing the stability of embankments and verges.

### ACO Water Management Contacts:

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