

## Harmer Roof Drainage - The Insulated Range



## Elastomeric Membrane Connection

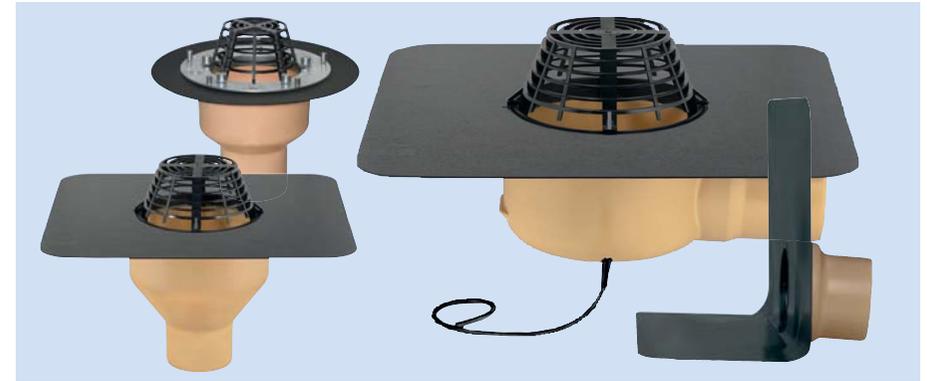


## Screw Flange Connection



The high insulation, rigid polyurethane foam body range of roof outlets that eliminate any possibility of condensation as a result of thermal bridging.

## Harmer Roof Drainage - The Insulated Range



Harmer Insulated Outlets are for use where the requirement is to eliminate condensation forming on the underside of the outlet due to cold bridging - mainly in metal deck warm and inverted roof installations.

## Applications

- For use as an alternative to metal outlets in metal deck warm and inverted roof installations
- Insulated outlets eliminate condensation forming on the underside of the outlet due to cold bridging
- Available with a flexible connecting membrane fused to the outlet body to seal to bituminous or single ply flat roof waterproof membrane
- An alternative to the connecting membrane is a clamping ring for sealing specialised single-ply membranes into outlet mouth

## Performance

- High insulation value of outlet body reduces heat loss One piece outlet body provides completely watertight connection between roof membrane and rainwater pipe
- Flange connection to flat roof membrane creates a fully watertight connection
- Domical grate permits free flow of rainwater Vertical, horizontal and graduated vertical spigot configurations available
- Option to include a thermostatically controlled heating element for ultimate control in cold conditions

## Materials &amp; Finishes

- Rigid polyurethane foam body fused with elastomeric bitumen flange Alternative flange specifications available for PVC, EPDM, TPO and EB roofing membranes
- Supplied with black polyamide domical grate as standard Aluminium flat grates available for use in inverted roofs where outlet is covered by paving on raised supports
- A polyurethane extension piece, with bonded connecting flange, caters for alternative insulation thicknesses

## Installation &amp; Fixing

- Easy to handle and fix
- Minimal maintenance requirements