

## SECTION 8.1

### Ancillaries - Specification



## Technical Data Sheet

March 2024

# IKO REFURB RAINWATER OUTLET KITS

## PRODUCT INFORMATION

IKO Refurb Rainwater Outlet Kits are manufactured from robust stainless steel. There are two kit types available; dependent on the IKO system guarantee offer: Standard Kit or Ultra Kit. Both Kit types are available with a torch-on SBS bitumen membrane flange measuring 500mm x 500mm, providing a large area to bond to and enabling a very quick and simple installation. This is to be used in conjunction with IKO Ultra Bituminous waterproofing systems. The Kits are also available without the bitumen flange to reduce lap build up when installed alongside the IKO Liquid waterproofing Systems, such as the IKO Flexia Range.

### IKO Refurb Ultra Rainwater Outlet Kits

The Ultra Rainwater Outlet Kits are used within IKO Material, Workmanship and Design guarantee offers. The Ultra Kit is connected into the existing drainage pipe work using a mechanical seal and 5mm Oring. The mechanical seal expands to create a robust seal to the existing pipe work. This Kit has the tamperproof High Performance Leaf Guard which provides 50% more flow rate than the Standard Leaf Guard.

### IKO Refurb Standard Rainwater Outlet Kits

The Standard Rainwater Outlet Kits are used within IKO Material and Workmanship guarantee offers. The Standard Kit is connected into the existing drainage pipe work, with the seal being created using a Ribbed Seal and 5mm Oring. This Kit has the tamperproof standard Universal Leaf Guard to prevent debris entering the outlet.



## USE

These rainwater outlets are for use within refurbishment of flat roofing, balcony and terrace applications. They are suitable for use with IKO Reinforced Bitumen Membrane Systems and IKO Flexia liquid applied waterproofing systems.

This product must be installed by an IKO Approved or Registered Installer. All work must be undertaken in accordance with the requirements of the specific information provided with the issued IKO Specification document, or guidance documents where applicable.



## MAINTENANCE

For optimum performance rainwater outlets should be inspected and cleared every six months to ensure peak operation.

Maintain in accordance with IKO Maintenance schedule.

## FEATURES & BENEFITS

**Installation** - Very quick and easy to install.

**Integrity** - Superior seal to downpipe from the pipe seal.

**Performance** - High flow rate, and easier to cut spigot to size.

**Protection** – Leaf guard design reduces blockages from leaves.

**Low Maintenance** – Grate prevents loose chippings or debris from entering the outlet.

## COMPOSITION

### Pipe

**Composition:** Stainless Steel  
**Sizes:** Length 400mm  
 Diameters see table below

### Metal Flange

**Composition:** Stainless Steel  
**Size:** 230mm x 230mm

### Membrane Flange

**Composition:** T-O SBS bitumen membrane  
**Size:** 500mm x 500mm  
**Finish:** Sanded

### Ultra Kit

**Leaf Guard Type:** High Performance  
**Composition:** 304 Grade stainless steel  
**Size:** 260mm x 260mm x 38mm  
**Colour:** Red (RAL3020)

**Seal Type:** Mechanical compression  
**Composition:** Nylon & EPDM Rubber Gasket  
**Size:** Various

### Standard Kit

**Leaf Guard Type:** Standard Universal  
**Composition:** Stainless steel  
**Size:** 210mm x 210mm x 43mm  
**Colour:** Red (RAL3020)

**Seal Type:** Ribbed - Friction compression  
**Composition:** PVC Rubber  
**Diameter:** Various

## PRODUCT SIZES AND FLOW RATES

| Reference                         | Product code | Outlet drain (mm) | To suit pipe size (mm) | Flow rate (l/s)* |
|-----------------------------------|--------------|-------------------|------------------------|------------------|
| IKO Standard Outlet Kit 59-75mm   | 58005975     | 0.90              | 50                     | 58-64            |
| IKO Standard Outlet Kit 71-88mm   | 58007188     | 1.65              | 62                     | 70-76            |
| IKO Standard Outlet Kit 85-106mm  | 58085106     | 2.98              | 75                     | 82-97            |
| IKO Standard Outlet Kit 103-109mm | 58103109     | 4.08              | 95                     | 102-109          |
| IKO Standard Outlet Kit 152-159mm | 58152159     | 5.48              | 145                    | 150-153          |

| Reference                  | Product code | Outlet drain (mm) | To suit pipe size (mm) | Flow rate (l/s)* |
|----------------------------|--------------|-------------------|------------------------|------------------|
| IKO Ultra Outlet Kit 70mm  | 58000070     | 70                | 75-78                  | 3.01             |
| IKO Ultra Outlet Kit 95mm  | 58000095     | 95                | 102-109                | 8.17             |
| IKO Ultra Outlet Kit 145mm | 58000145     | 145               | 150-153                | 6.66             |

\* (EN 1253-1:2016) 35mm head

## DIRECTIONS FOR USE

### MATERIAL HANDLING

**Checking:** Outlets should be checked to ensure that they conform to the project specification, and are suitable for their intended use.

**Handling:** Outlets should be unloaded and handled with care to avoid damage.

**Site Storage:** Outlets should be stored in their original packaging, in an area where they will not become damaged.

### RAINWATER DESIGN

Rainwater outlets should be of the correct design & of sufficient size so that the opening is not restricted by the application of the waterproofing system. Roof drainage layout must comply with BS EN 12056-3:2000.

Refurbishment works, the installing contractor must ensure the rainwater outlet will not inhibit the free flow of water from the roof to the means of rainwater disposal. Rainwater outlets of a smaller diameter may need to be increased to ensure drainage capacity is not restricted by the installation of any refurbishment outlet.

## PRIOR TO COMMENCEMENT

Any roofing works, inclusive of new installations as part of refurbishment work at outlet positions on existing roofs must always follow good, safe working practice.

Prior to commencing works, it is advisable to consult Health and Safety Executive Guidance documents such as HSG33 'Health and Safety in Roof Work', irrespective of levels of competence, to ensure all works are being planned and undertaken in a safe, pragmatic manner.

Roof components and enabling works, should only be undertaken by those competent, conversant and capable of completing roofing works.

## INSTALLATION

### Preliminaries applicable for all proceeding options

Protect all outlets from any ingress of debris as a result of the roofing works, ensuring any such protection is removed upon the detailing being completed or during non-operational periods.

Remove any existing clamping rings, domes and gratings from existing rainwater outlets & dispose from site.

### a) Warm Roofs

To improve drainage, create a sump detail minimum 500mm x 500mm around the outlet position by installing a minimum 60mm thickness of insulation in this location. Install IKO insulated hard edge or a treated timber stop batten (minimum 100mm wide), of a thickness 10mm less than the main roof insulation around the sump perimeter to protect the edge of the insulation; to be mechanically fixed to the roof substrate, or adhered in IKO PU adhesive.

The flange of the rainwater outlet is to be dressed between the underlay and the waterproofing, being fully bonded to the underlay.

Apply sufficient coats of the specified IKO primer to the detail including the flanges of the existing outlet as indicated.

Dress and apply the waterproofing to the rainwater outlet to which should be undertaken as a separate detailing item and prior to the installation of the waterproofing finish for the main roof area.

### b) Overlay Roofs

Fully bond the membrane flange of the rainwater outlet to the substrate.

Apply sufficient coats of the specified IKO Primer to the detail including the flanges of the existing outlet as indicated.

Dress and apply the waterproofing to the rainwater outlet to which should be undertaken as a separate detailing item and prior to the installation of the waterproofing finish for the main roof area.

### Notes:

Install new IKO Refurbishment rainwater outlet, ensuring that the specified seal is correctly applied to create a positive seal to the existing down-pipe.

On completion fix the associated leaf guards. All rainwater outlets & drainage should be checked upon completion of the works to ensure that they are free flowing.

All details to be installed in accordance with BS6229:2018 and IKO recommendations.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

For application rates of IKO liquid system products refer to the current published technical literature or project specification.

## DISCLAIMER

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