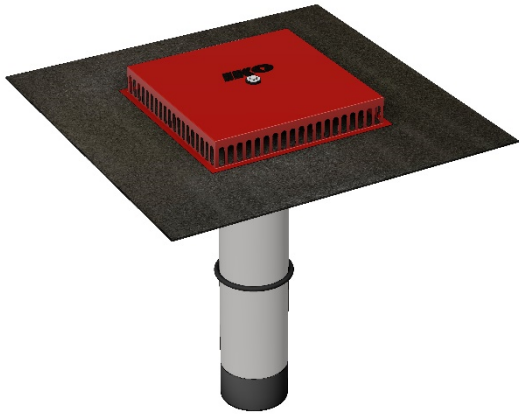
IKO Refurbishment Rainwater Outlet Kits

Technical Data Sheet – Section 11.00

PRODUCT INFORMATION

IKO Refurbishment 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 Refurbishment 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 O-ring. 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.



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IKO Refurbishment 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 O-ring. 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.

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.

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COMPOSITION

Pipe

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

Metal Flange

Composition:	Stainless Steel
Size:	See flange table below

Membrane Flange

Composition:	T-O SBS bitumen membrane
Size:	See flange table below
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

FLANGE SIZES

Outlet Pipe Diameter	Metal Flange	Bitumen Flange
125mm or less	300mm x 300mm	500mm x 500mm
145mm & 160mm	360mm x 360mm	500mm x 500mm

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PRODUCT SIZES AND FLOW RATES

IKO Ultra Outlets

Reference	Product code	Outlet drain (mm)	To suit pipe size (mm)	Flow rate (l/s)*
IKO Ultra Outlet Kit 70mm	58000070	70	75-78	4.14
IKO Ultra Outlet Kit 95mm	58000095	95	102-109	8.19
IKO Ultra Outlet Kit 145mm	58000145	145	150-153	7.71

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

IKO Ultra Outlets Liquid

Reference	Product code	Outlet drain (mm)	To suit pipe size (mm)	Flow rate (l/s)*
IKO Ultra Outlet Liquid 70mm	58000070	70	75-78	4.14
IKO Ultra Outlet Liquid 95mm	58000095	95	102-109	8.19
IKO Ultra Outlet Liquid 145mm	58000145	145	150-153	7.71

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

IKO Standard Outlets

Reference	Product code	Outlet drain (mm)	To suit pipe size (mm)	Flow rate (l/s)*
IKO Standard Outlet Kit 59-75mm	58005975	50	58-64	0.90
IKO Standard Outlet Kit 71-88mm	58007188	62	70-76	1.65
IKO Standard Outlet Kit 85-106mm	58085106	75	82-97	2.98
IKO Standard Outlet Kit 103-109mm	58103109	95	98-108	3.36
IKO Standard Outlet Kit 152-159mm	58152159	145	150-153	5.48

IKO Standard Outlets Liquid

Reference	Product code	Outlet drain (mm)	To suit pipe size (mm)	Flow rate (l/s)*
IKO Standard Outlet Liquid 59-75mm	58400075	50	58-64	0.90
IKO Standard Outlet Liquid 85-106mm	58400106	75	82-95	2.98
IKO Standard Outlet Liquid 103-109mm	58400109	95	103-109	3.36
IKO Standard Outlet Liquid 120-128mm	58400128	110	120-128	3.94

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IKO ULTRA INTERNAL RAINWATER OUTLETS	
Rainwater Outlet	
Cascade leaf guard	
UF seal pipe seal	
UF pipe Seal tool Sold separately	

MAINTENANCE

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

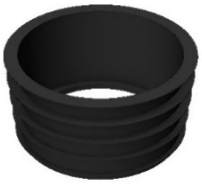
Maintain in accordance with IKO Maintenance schedule

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.

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IKO STANDARD INTERNAL RAINWATER OUTLETS	
Rainwater Outlet	
FO UG210 leaf guard	
Ribseal pipe seal	

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.

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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. Dress and apply the underlay to the substrate to which should be undertaken as a separate detailing item.

Install new IKO Refurbishment rainwater outlet, ensuring that the specified seal is correctly applied to create a positive seal to the existing down-pipe. (Where possible mechanically fix new IKO refurbishment rainwater outlet securely to the substrate).

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

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.

b) Uninsulated / Cold Roofs
Dress and apply the underlay to the substrate to which should be undertaken as a separate detailing item.

Install new IKO Refurbishment rainwater outlet, ensuring that the specified seal is correctly applied to create a positive seal to the existing down-pipe. (Where possible mechanically fix new IKO refurbishment rainwater outlet securely to the substrate).

Fully bond & seal the membrane flange of the rainwater outlet 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.

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.

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Notes:
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.

OTHER RELEVENT DOCUMENTATION

Where applicable, Material Safety Data Sheets (MSDS), Declaration of Performances (DoPs), and Third-Party Accreditations are available to view and download from the IKO website Resource Centre:
https://ikogroup.co.uk/resource-centre/

PRODUCT SUPPORT

Should you have any queries in relation to this product please contact one of the relevant teams below:

Technical technical.ab@iko.com
- For Reinforced Bitumen Membranes, IKOpro and Flexia Liquid Applied Waterproofing, Pitched Roofing, IKO Hyload Structural Waterproofing

technical.ma@iko.com
- For Mastic Asphalt

technical.cc@iko.com
- For Single Ply and Permatec Hot Melt

Sales sales.uk@iko.com
Marketing getintouch.uk@iko.com

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COMPANY ACCREDITATIONS

IKO PLC, a roofing, waterproofing, and insulation company, holds various accreditations that demonstrate its commitment to quality, safety, and environmental responsibility. These include ISO certifications for quality management and occupational health and safety, British Board of Agrément (BBA) accreditations for specific products and systems, and Factory Mutual (FM) approval for certain roofing systems.

All our manufacturing plants have BS EN ISO 9001, BS EN ISO 14001, BS EN ISO 45001, and BES 6001 accreditation, meaning we match the quality and sustainability requirements and use responsibly sourced raw materials in our production. We also re-use by-products from manufacture, wrap products in minimal packaging, and we employ a streamlined transportation network.

IKO is also a leading member of all relevant trade associations such as NFRC, BFRA, SPRA, LRWA, MAC, RSTA, BJA and LCRIG having technical experts within the technical and standards committees to help us get informed first-hand about recent updates on technical requirements for the design and installation of roofing, waterproofing, road and bridge maintenance industry products.

DISCLAIMER

Whilst every precaution is taken to ensure that the information given in this literature is correct and up-to-date it is not intended to form part of any contract or give rise to any collateral liability, which is hereby specifically excluded.

IKO reserves the right to amend and/or withdraw this document without notice.

Intending purchasers of our materials should therefore verify with the company whether any changes in our specification, application details, withdrawals or otherwise have taken place since this literature was published.

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