IKO ruberseal®

EPDM Roofing System

IKO Ruberseal EPDM Roofing System Guide

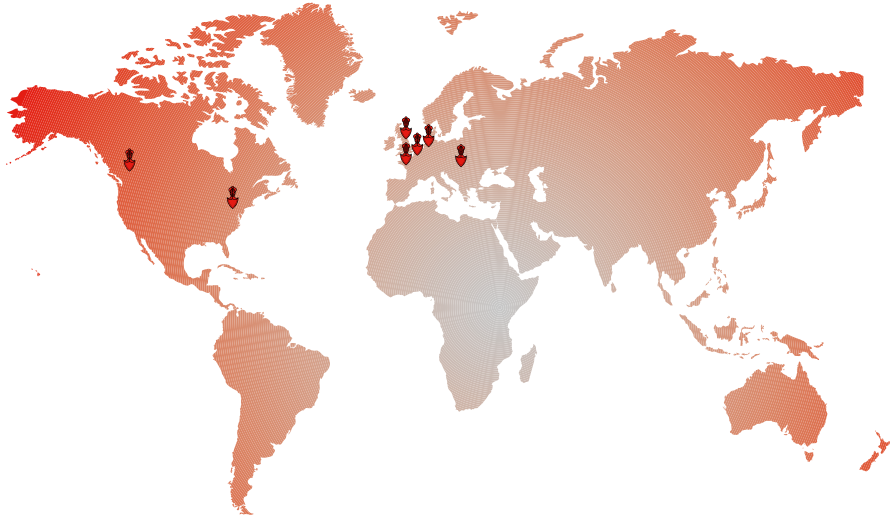**IKO**
Setting the Standard

IKO is a **worldwide enterprise**, with more than **3000 employees**, and manufacturing plants in Canada, the United States, United Kingdom, Belgium, Holland, France and Slovakia. The company's operations ships products to **96 countries** around the globe.

The IKO Group

Despite tremendous growth, IKO has also remained firmly rooted in its family values of **entrepreneurial spirit,craftsmanship and innovation**. The company maintains the fierce independence of its founder, and his belief of the importance of controlling the raw materials used in its manufacturing process.

IKO also strives to back the **best products** in the industry with the **best service**. The IKO family includes not just the ownership, but the thousands of dedicated employees across its global operations who share the company's ideals of craftsmanship, attention to detail and world class service for our customers. The commitment of IKO's employees is the key pillar in the company's success in today's competitive marketplace.

The ultimate proof of the company's commitment to quality and innovation is its own success. From humble beginnings to a modern manufacturer with global reach, IKO has remained committed to the values that were the foundation of the business envisioned by our founder, **Israel Koschitzky**. That combination of old-time values, combined with cutting edge technology and innovation, means IKO will continue to **Set the Standard** both now and in the future.

IKO in the UK

In the UK, the IKO name has become synonymous with delivering dependable waterproofing solutions backed by supreme levels of customer service. This hard earned reputation has been built on a foundation of quality and an ethos of customer service which permeates through the organisation and remains as strong today as it did **100 years ago**.

The rewards speak for themselves. IKO PLC is now well established as the **UK market leader** in the design, manufacture and installation of roofing and waterproofing systems. With this enviable position comes an unwavering commitment and responsibility to continue investing in new product solutions, new manufacturing facilities and people, all dedicated to achieving excellence at every level.

Contents

What is EPDM?

EPDM (ethylene propylene diene monomer) is an extremely durable synthetic fire retardant rubber roofing membrane. **IKO Ruberseal EPDM Membrane** (EPDM Membrane) is an unreinforced elastomeric waterproofing membrane that is black in colour with a textured surface on both sides. Both a G Grade version and FR (Fire Retardant) version are available.

Hassle-Free, Long-Lasting Waterproof Roofing

Both IKO Ruberseal EPDM Systems are a high performance single ply waterproofing systems that are quick and easy to install and incredibly long-lasting. A variety of lengths are available creating an exceptional weatherproofing protection solution for both new builds and refurbishment projects.

IKO Ruberseal EPDM System includes all of the components needed to complete the perfect job. Only basic tools are required and accessories are available in a range of common sizes to make installation simple and straightforward.

Why choose IKO Ruberseal EPDM?
• Simple and quick to install
• Minimal maintenance
• In roll or pre-fabricated format
• Durable and highly elastic
• UV and root-resistant
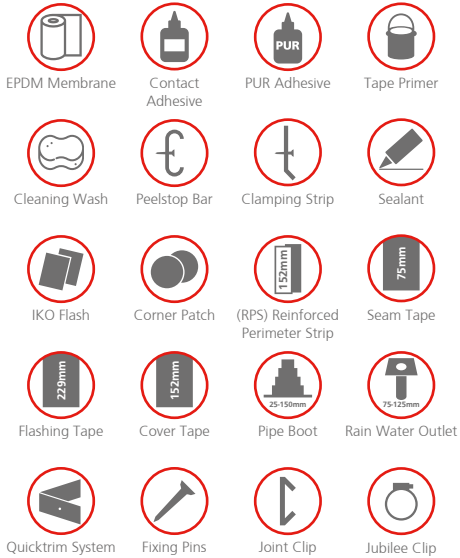• Contains no dangerous substances

Why choose IKO Ruberseal FR EPDM?

• BBA approved (Certificate No.15/5277)
• Fire retardant, high quality membrane
• Life expectancy of up to 40 years

At the heart of the system is the EPDM Membrane. Available on the roll or in bespoke pre-fabricated sheets jointed by heat weld technology in our state of the art facility at Clay Cross, Derbyshire. The EPDM Membrane provides the ultimate in versatility, flexibility and performance. With a thickness of 1.2mm, the EPDM Membrane can be supplied in a choice of widths and a variety of lengths to suit the requirements of your waterproofing project.
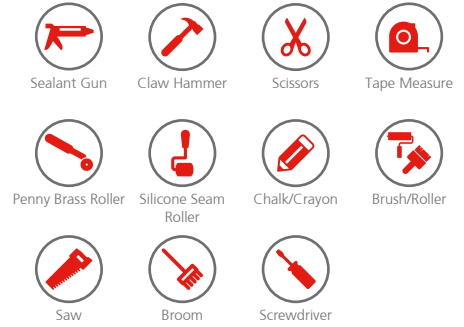
From jointing and flashing tapes, to high performance primers and adhesives, the IKO Ruberseal EPDM System offers all the accessories you'll need to ensure a secure and lasting waterproof roofing system.

Key

Products & Ancillaries

EPDM Membrane

Contact Adhesive

PUR Adhesive

Tape Primer

Cleaning Wash

Peelstop Bar

Clamping Strip

Sealant

IKO Flash

Corner Patch

(RPS) Reinforced Perimeter Strip

Seam Tape

Flashing Tape

Cover Tape

Pipe Boot

Rain Water Outlet

Quicktrim System

Fixing Pins

Joint Clip

Jubilee Clip

Tools

Sealant Gun

Claw Hammer

Scissors

Tape Measure

Penny Brass Roller

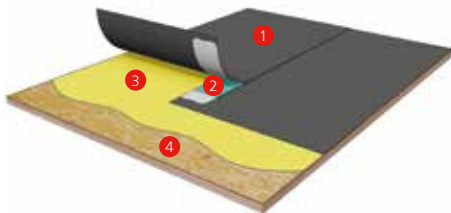Silicone Seam Roller
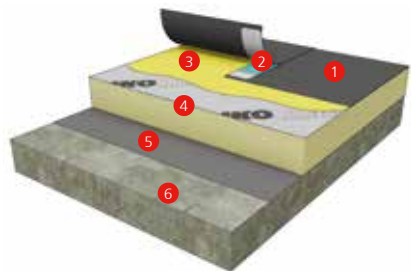
Chalk/Crayon

Brush/Roller

Saw

Broom

Screwdriver

Cold Roof Build-Up

1 EPDM Membrane

2 Seam Tape

3 PU Adhesive

4 Substrate

Warm Roof Build-Up

1 EPDM Membrane

2 Seam Tape

3 PU Adhesive

4 IKO enertherm Insulation Board

5 Specified IKO VCL (Vapour Control Layer) attached with suitable adhesive

6 Substrate

EPDM Membrane

A waterproof roof covering. 1.2mm thick G or FR grade EPDM rubber, suitable for exposed and ballasted roof types. Additional material should be allowed for upstands to walls, rooflights and for termination at roof edges.

Product	Code	Dimensions	m² per Roll
G Grade EPDM Membrane	22720025	25m x 1.7m	42.5m²
	22720050	25m x 3.35m	83.75m²
	22730050	25m x 5m	125m²
FR EPDM Membrane	22711055	25m x 1.7m	42.5m²
	22711050	25m x 3.35m	83.75m²
	22711056	25m x 5m	125m²

'Roof in a Box' - Our bespoke Roof Service (POA)*
We can provide you with everything you need to complete your roofing installation, all in one box. This includes a prefabricated membrane to your own specification, tapes, adhesives, trims and any other accessories you may require.

*Additional lengths and bespoke prefabricated services (FR EPDM Membrane only) are available. Additional material should be allowed for upstands to wall, roof lights and for terminations at the roofing edge. Lead time: 5 working days from receipt of order. The Contractor / Distributor are responsible for all measurements and quantities submitted. Contact your Local IKO Business Manager. See page 32-33 for further information.

Ancillaries

Seam (Silicone) Roller

Used for rolling seams and installation details after laying EPDM membrane with tape.

Code	Size (Coverage)
22700045	n/a

Penny (Brass) Roller

Compresses EPDM membrane in corners and at angles.

Code	Size (Coverage)
22700013	n/a

Tapes

Cover Tape

Cover Tape consists of a semi-cured EPDM membrane that has been laminated to a 0.7mm EPDM, pressure sensitive tape adhesive. Designed to cover, protect and seal mechanical fastening bars, membrane fasteners, membrane repairs, T-Joint reinforcement and seam overlays.

To be used with Ruberseal Tape Primer (22705200).

Code	Size
22700152	152mm x 30.5m roll

Flashing Tape

Flashing Tape consists of an uncured EPDM membrane that has been laminated to a 0.7mm EPDM, pressure sensitive tape adhesive. Extremely flexible, it can be formed to fit irregular shapes and surfaces such as internal and external corners as well as pipe detailing.

To be used with Ruberseal Tape Primer (22705200).

Code	Size
22700229	229mm x 15.24m roll

Seam Tape

Seam Tape is an extruded, vulcanised, black, pressure sensitive rubber adhesive tape. It is designed to provide high strength, watertight seams for EPDM membrane. Soft and tacky providing a quick grab onto EPDM Membranes, yet possesses high initial strength.

To be used with Ruberseal Tape Primer (22705200).
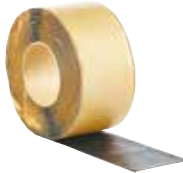
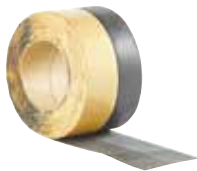| Code	Size
22710075	75mm x 30.5m roll

IKOflash Lead-Free Flashing Rolls

3.5mm thickness. Ideal for use in areas such as chimney, abutment flashings, roof lights and pitched valley linings.

Code	Size
39700150	150mm x 12m
39700250	250mm x 12m
39700300	300mm x 12m
39700400	400mm x 12m

Reinforced Perimeter Strip (RPS)

Reinforced Perimeter Strip (RPS) is designed for non-penetrating securement of the EPDM membrane in roofing applications. Strips consist of a reinforced EPDM membrane strip laminated with an EPDM, pressure sensitive tape adhesive.

Code	Size
22700011	152mm x 30.48m roll

Corner Patch

Pre-cut circular patches of Flashing Tape. Ideal for detailing internal and external corners.

To be used with Tape Primer (22705200).

Code	Size
22705400	225mm dia.

Adhesives & Primers

PUR Adhesive

Used for adhering EPDM Membrane to a roof deck. Can be roller applied to concrete, timber or suitable thermal insulation boards. The adhesive must only be applied in dry conditions at temperatures of at least 5°C.

Code	Size (Coverage)
22710005	5 Litre tin (approx. 14m²)
22710010	10 Litre tin (approx. 28m²)

Edge Sealant

Ruberseal Edge Sealant is used for sealing cut edges of Cover Tape, Flashing Tape and Rain Water Outlets.

Code	Size (Coverage)
22705100	305ml cartridge (6-6.5 linear metres)

Contact Adhesive

Contact Adhesive is used for adhering EPDM Membrane to upstands. The adhesive must only be applied in dry conditions at temperatures of at least 5°C. Surfaces must be clean, dry and free from oil or grease. The adhesive should be applied to both the upstand and the EPDM Membrane using a brush or roller.

Code	Size (Coverage)
22704200	5 Litre tin (approx. 8.5m²)

Tape Primer

Tape Primer is to be applied to EPDM Membrane surfaces prior to installing Tapes.

Code	Size (Coverage)
22705200	3.8 Litre tin (18-23m²)

Sealant

Sealant is used for sealing between EPDM Membrane and substrates such as brickwork and PVC pipes, where the EPDM Membrane is terminated.

Code	Size (Coverage)
22705300	310ml cartridge (8-12 linear metres)

Cleaning Wash

The Cleaning Wash is used for cleaning EPDM Membrane prior to installation or repair, removing dirt and other such substances that may effect installation.

Code	Size
22700001	1 Litre bottle

Termination Bars, Trims & Corners

Clamping Strip

Clamping Strips are used to secure the EPDM Membrane to an upstand where termination occurs. Designed to clamp the EPDM Membrane and allow for a bead of sealant to be applied to the upper edge to maintain a watertight termination against the substrate.

Code	Size
05493081	2.5m x 50mm

Peelstop Bar

A Peelstop Bar is used to secure EPDM Membrane at the perimeter of a roofing system. Installation should occur at the base of upstands / penetrations using suitable fasteners.

Code	Size
05490215	2.125m x 30mm

Quicktrim External Corner

A pre-made External Corner unit for use with Quicktrim Watercheck Kerb.

Code	Size
22700010	150 x 100mm per corner edge (300mm total length)

Quicktrim Watercheck Kerb

A simple and effective way of securing the membrane at the roof perimeter. A Quicktrim Watercheck Kerb prevents rainwater flowing off the roof edge.

Supplied with clips and colour matched fixing pins.

Code	Size
22700014	2.5m length

Quicktrim Drip Edge

A simple and effective way of securing the membrane at the roof perimeter. A Quicktrim Drip Edge allows rainwater to flow off the roof edge into a gutter.

Supplied with clips and colour matched fixing pins.

Code	Size
22700015	2.5m length

Outlets & Pipe Boots

Rain Water Outlet

Rainwater outlets for draining the roofing area. Either installed vertically or horizontally with a pre applied EPDM membrane flange for effective sealing to the main roof EPDM Membrane.

Code	Size	
22700075	75mm dia.	1
22700090	90mm dia.	2
22700110	110mm dia.	3
22700125	125mm dia.	4

Pipe Boot

Flexible rubber flashing to weather pipe penetrations from 25mm - 150mm in diameter. A self-adhesive pressure sensitive tape is applied to the base for ease of application.

To be used with Tape Primer (22705200).

Code	Size
22700012	25mm - 150mm

Installing IKO Ruberseal EPDM Roofing System

The IKO Ruberseal EPDM Roofing System can be can be installed over most common substrates such as timber or certain insulation products with sufficient compressive and inter-laminar strength and a suitable facing (check with insulation manufacturer for advice). The substrate should be clean, dry and free of any debris and grease.

Preparation

Brush the roof surface to remove any loose particles. Any loose or protruding nails or screws should be either fully inserted or removed before laying the membrane. The roof deck should be of sufficient strength and quality to support the **EPDM Membrane** and insulation system (if required).

1. Installing **EPDM Membrane** to the Roof Substrate

Check that the **EPDM Membrane** is placed evenly over the entire roof surface, the edges of the roof should be covered by a minimum of 150mm. The **EPDM Membrane** should be allowed to relax for at least 30 minutes before continuing.

Note: This may require longer time during colder weather.

Fold back the **EPDM Membrane** by approximately 50% to expose the underlying deck surface.

Using a paint roller and tray apply **PUR Adhesive** to the roof substrate, or pour small amounts directly onto the roof substrate and spreading with a roller or small notched adhesive spreader. Ensure a full coat is applied to the substrate.

*Note: If the **EPDM Membrane** is to be site jointed to another roll or panel it is important to keep the overlapping areas of the joint free from this adhesive.*


Lay the **EPDM Membrane** into the adhesive and use a soft brush/broom or squeegee to ensure full contact between the **EPDM Membrane** and the adhesive is achieved and that there are no trapped air pockets.

2. Seam Jointing

Ensure the **EPDM Membrane** is dry, clean and free from debris or grease. Use **Cleaning Wash** if the area to be joined is contaminated and allow to flash off until dry.
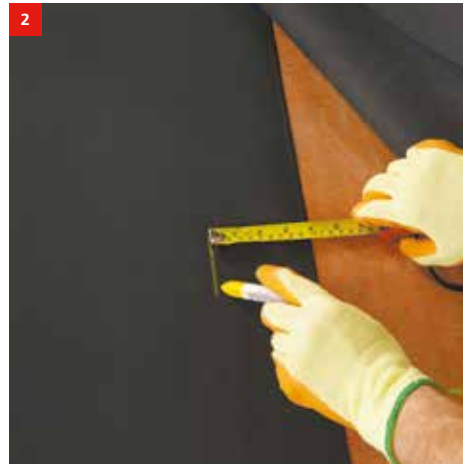
Where two **EPDM Membrane** panels are to be joined, position them so that the overlap is at a minimum of 75mm. With chalk or crayon, mark approx 8-10mm beyond the overlapped sheet edge as a guide for applying the **Tape Primer**.

Peel back the **EPDM Membrane** and apply the **Tape Primer** to both surfaces from the chalk or crayon mark to the edge of the **EPDM Membrane** and the reverse side of the overlapped **EPDM Membrane** using a paintbrush or small roller and let them become dry to the touch.
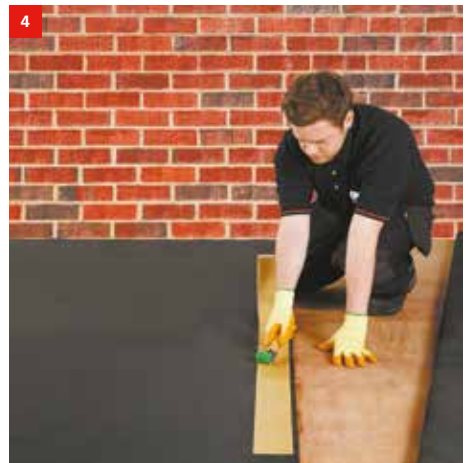
Place the 75mm wide **Seam Tape** on to the laid, primed **EPDM Membrane** on the roof surface and roll the paper with a **Seam Roller**.

5

6

Remove a piece of the release paper from the **Seam Tape**. Allow the top **EPDM Membrane** layer to fall onto the full length of the **Seam Tape**. Gradually pull away the release paper at an angle of 45˚ from the Seam Tape and sweep the tape with your hand as you release.

Using a **Seam Roller**, roll the seam at right angles to the seam tape to ensure adhesion.

3. Installing **EPDM Membrane** to Upstands

At all upstands and change of angles, the **EPDM Membrane** is required to be mechanically attached using a **Peelstop Bar** and counterflashed using a separate flashing of **EPDM Membrane, Cover Tape** or using the **Reinforced Perimeter Strip** method.

*Note: **Peelstop Bars** should be stopped approx. 200mm short of internal and external corners to allow for detailing.*

Contact Adhesive should be used when bonding the **EPDM Membrane** to any upstands. Before using the **Contact Adhesive** stir the contents thoroughly and ensure the area to be bonded is clean and dry.

The below stages within this section are to be used in conjunction with sections 4, 5 & 6, depending on the desired method of application.

1

Apply a thin coat of **Contact Adhesive** to both the upstand and the reverse side of the **EPDM Membrane** using a brush or roller.

2

The adhesive should then be left to go tacky before pressing the 2 surfaces together.

3

Carefully press the EPDM membrane to the now tacky upstand.

4

Use a **Seam Roller** to apply pressure to the flashing making sure any trapped air is removed to ensure adhesion.

*Note: **Contact Adhesive** should NOT be used in temperatures below 5ºC.*

4. Upstand Terminations

To ensure a watertight finish at the top of all upstands the **EPDM Membrane** should be secured using a **Clamping Strip** (secured at maximum 300mm centres) and applying **Sealant** between the upper lip of the clamping strip and the wall.

Alternative Termination Method

Alternatively the **EPDM Membrane** should be clamped with a **Peelstop Bar** and counter flashed using **IKOflash** lead free flashing or traditional lead.

Contact the IKO Technical Department for further details on **01257 256 864** or **technical.uk@iko.com**

5. Using **EPDM Membrane** as Counter Flashing

Return the **EPDM Membrane** vertically up the upstand face. Trap and secure the **EPDM Membrane** with a **Peelstop Bar** adequately secured at maximum 300mm centres.

Using chalk or crayon, mark 75mm horizontally away from the **Peelstop Bar**. Counter flash by bonding a separate piece of **EPDM Membrane** to the upstand using **Contact Adhesive** as described within Section 3 'Installing **EPDM Membrane** to Upstands' Stages 1-3 (page 7) and return the counter flashing piece of the **EPDM Membrane** onto the horizontal roof area to weatherproof the fixing area.

*Note: **Contact Adhesive** must not be placed over the areas to be sealed with the 75mm **Seam Tape**.*

The seam joint between the counter flashing piece of **EPDM Membrane** and the main field **EPDM Membrane** should be made by using the 75mm **Seam Tape**, applied using the same method as used within *Section 2 'Seam Jointing', Stages 3-6 (page 5)*.

Use a **Seam Roller** to ensure adhesion between **Seam Tape** and the **EPDM Membrane.**

To ensure a water tight finish to the upstand, the **EPDM Membrane** should be secured suing a **Clamping Strip** and **Sealant** as shown in *Section 4 'Upstand Terminations'*.

6. Using **Cover Tape** as Counter Flashing

1

In some circumstances it may be desirable to return the same **EPDM Membrane** (without cutting) vertically up the upstand by bonding using **Contact Adhesive** and the same process as seen within *Section 3 'Installing **EPDM Membrane** to Upstands' (page 7).*

2

Install a **Peelstop Bar** positioned at the base of the upstand, adequately secured at a maximum 300mm centres.

3

4

A length of 150mm wide **Cover Tape** should be positioned over the **Peelstop Bar** to ensure a watertight finish.
The position of the **Cover Tape** should be marked using a suitable chalk or crayon (75mm to the horizontal side of the **Peelstop Bar**) and **Tape Primer** applied to the **EPDM Membrane** where the tape is to be applied and allowed to dry.

5

6
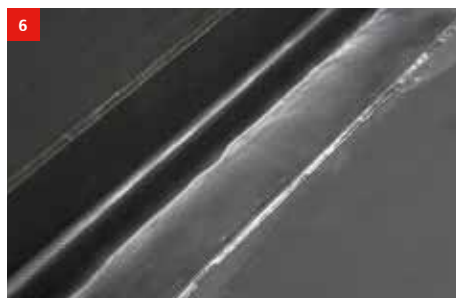
The **Cover Tape** can now be positioned and the release paper removed. Using a **Seam Roller**, roll the **Cover Tape** at right angles to the seam tape to ensure adhesion.

To ensure a water tight finish to the upstand, the **EPDM Membrane** should be secured suing a **Clamping Strip** and **Sealant** as shown in *Section 4 'Upstand Terminations'*.

7. Using **Reinforced Perimeter Strip (RPS)**

1

2

Secure the **RPS** using a **Peelstop Bar** at the base of the upstand fixing the bar at maximum 300mm centres. The **RPS** should be fixed through the area where there is no seam tape present. Peel back and prime the underside of the **EPDM Membrane** in the area where it will make contact with the seam tape on the **RPS** and allow to dry.
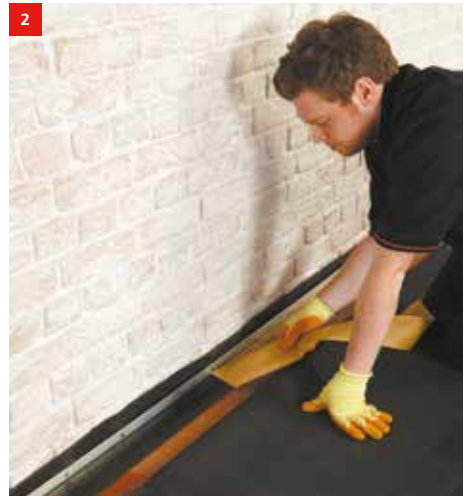
The **RPS** seam tape is bonded to the primed underside of the **EPDM Membrane** along the length of the upstand base or change in angle line by removing the release paper at a 45 degree angle and rolling the **EPDM Membrane** with a **Seam Roller** in a similar way to carrying out a standard seam joint, as is show within *Section 2 'Seam Jointing' Stages 5-6 (page 6)*.

3

The **EPDM Membrane** can then be bonded to the upstand using **Contact Adhesive** and a **Seam Roller** using the same method as described within *Section 3 'Installing EPDM Membrane to Upstands', Stages 3-4 (page 7)*.

To ensure a water tight finish to the upstand, the **EPDM Membrane** should be secured suing a **Clamping Strip** and **Ruberseal Sealant** as shown in *Section 4 'Upstand Terminations'*.

8. Internal Corner Detailing

1

When using the main **EPDM Membrane** to form the upstand bond at an internal corner detail, **Contact Adhesive** can be used. Fold the membrane into the corner to form a triangular pocket.

2

Using **Contact Adhesive** bond the internal faces of the **EPDM Membrane** pocket together using a small brush. Allow the adhesive to go tacky before closing the pocket off.

3

Bond the triangular pocket to one of the upstands using **Contact Adhesive**.

4

Apply a bead of **Sealant** to the diagonal edge of the triangular section to prevent water ingress behind the pocket.

9. External Corner Detailing

Bond the membrane flashings to the upstands using **Contact Adhesive** following one of the aforementioned upstand detailing methods used in *Sections 3-6 (pages 7-10).*

Using chalk or crayon mark the position of a pre-cut **Corner Patch** or a piece of **Flashing Tape** (cut to approximately 200mm diameter). This should be positioned at the base of the upstand corner so approximately one third of the diameter returns up the vertical face of the upstand. Apply **Tape Primer** to the marked area and allow to dry.

Remove 1/3 of the release paper from either the **Corner Patch** or **Flashing Tape** to be applied to the vertical section and place in position (this can be done by gently scoring the release paper with a knife ensuring the waterproofing layer is not damaged). Use a **Seam Roller** or **Penny Roller** to ensure adhesion.

Remove the remaining release paper and working from the base of the corner outwards stretch the **Corner Patch** or **Flashing Tape** in to position on the horizontal surface.

5

Ensure complete adhesion using a **Seam Roller** or **Penny Roller**.

6

Cut a section of **Cover Tape** to fit the upstand height and position over the corner of the upstand ensuring that it covers approximately 50mm of the previously installed patch. Mark its position using a chalk or crayon.

*Note: Using additional **Cover Tape** on an external corner (steps 6-9 within this section) is only necessary when two separate sheets of **EPDM Membrane** flashing join at the corner.*

7

Apply **Tape Primer** to the marked area and allow to dry.

8

Remove the release paper from the **Cover Tape** and apply to the previously primed area.

9

Ensure good adhesion using a **Seam Roller**.

The cut edges of the **Corner Patch** or **Flashing Tape** and **Cover Tape** should be sealed using **Edge Sealant**, applied with a standard sealant gun as described in *Section 4 'Upstand Terminations' (page 8)*.

10. Pipe Detailing

1

Cut the **EPDM Membrane** so it fits over the pipe.

2

Using a **Pipe Boot** cut the top of the pipe boot to the correct diameter to suit the pipe using a knife or scissors.

3

4

Place the pipe boot over the pipe and mark around the base with chalk or crayon.

Apply **Tape Primer** to the marked area and allow to dry.

5

Remove the release paper from the **Pipe Boot** and place into position. Ensure good adhesion by applying pressure to the base using a **Seam Roller**.

6

Install a jubilee clip to secure the top of the **Pipe Boot** to the pipe and apply a bead of **Sealant** all the way around the top of the **Pipe Boot**, where it meets the external pipe.

11. Rainwater Outlet Installation

Cut the **EPDM Membrane** and substrate to suit the diameter of the **Rainwater Outlet** pipe and insert the outlet into position. Using chalk or a crayon mark the position of the outlet flange on the **EPDM Membrane**.

Remove the outlet and apply **Contact Adhesive** to the underside of the flange and the marked area of **EPDM Membrane**. Allow the adhesive to go tacky and then insert the outlet back into position.

Ensure good adhesion by applying pressure to the base using a **Seam Roller**. .

Apply **Edge Sealant** to the edge of the outlet flange, where it meets the **EPDM Membrane**

12. Installing Roof Trims

Where there is no upstand around the roof edge, e.g. a garage, the **Quicktrim System** should be installed.

Preparation

Before fixing the edge of the **EPDM Membrane**, fix a planed timber batten (approximate size 25mm x 50mm) around the roof perimeter, level with the top of the roof deck. We recommend painting the bottom of the batten for better appearance and to protect the timber.

Extend the membrane approximately 80mm over the edge of the roof to fully cover the back edge detail.

The **Drip Edge Trim** backing piece should be fixed onto the batten adjacent to the gutter using suitable screws or the flat headed nails provided. Make sure that the curved top section of the back edge trim is level, or just below the top of the batten. Apply the **EPDM Membrane** over the roof and cut off any surplus at the bottom edge of the batten, or the bottom edge of the back drip edge trim.
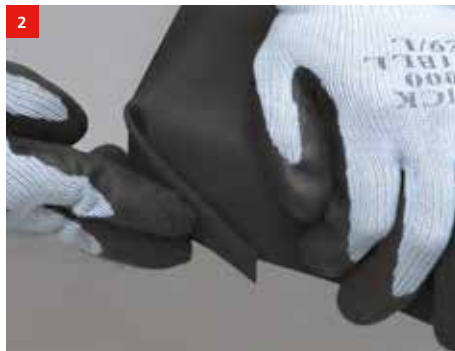
Cut and fold membrane flat around the roof corners. This allows the corner trim to fit snugly against the corner of the roof.

Slide a corner section into position and secure using the black headed nails.

Butt the first **Drip Edge Trim** length to a corner piece allowing a gap of 5mm for expansion. Fix the front **Drip Edge Trim** over the membrane by firmly pushing down on the trim to compress the seal and at the same time drill a 2mm pilot hole through the front trim slot, into the back trim. Now pin through both trims using the fixing provided. The top section of the trim should now be level or just below the level of the roof to allow the water to pass over it and into the gutter. Allow 5mm gap for expansion between lengths of trim.

Install a **Joint Clip** between the corner section or separate lengths of the **Drip Edge Trim** and fill the gap with **Sealant**.

Butt the first **Check Kerb** trim up to a corner section, compressing both seals together. On very cold days allow a minimum expansion gap of 5mm between the trims. Then gently hammer the fixing pins through the centre of fixing slots.

Apply a bead of sealant to one side of the joint to hold the **Check Kerb** joint clip in place. Apply the joint clip by hooking it under the bottom edge of the trim and at the same time snap the top of the clip over the top section of the **Check Kerb**. This will keep the clip in place and allow for the thermal movement behind the clip.

Notes:
- *Use a sharp saw to cut the trims down to size.*
- *Drill trims with a 5mm long slot if further fixings are required.*
- *Always make sure two rubber seals are between joints.*
- *To insert a trim between corners measure between the corners of trims and deduct 10mm.*
- *Slight marks on the trims can be removed using household cream cleaner and soft cloth.*
- *On very cold days, allow a minimum expansion gap of 5mm between the trims.*

# IKO Ruberseal EPDM Product Estimator Guide

The IKO Ruberseal EPDM product estimator guide makes ordering the right amount of materials for individual roofing projects quick and easy. From EPDM Membrane configuration to ordering the correct amount of contact adhesive, this guide makes it easy for you to plan ahead, minimising the need for multiple reorders and maximising the efficiency of each roofing installation.
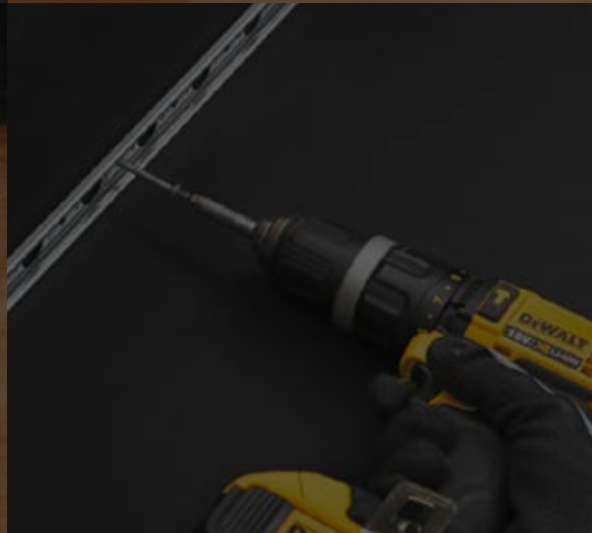
Technical Drawings

1. EPDM Membrane
2. Seam Tape & Primer
3. Cover Tape & Primer
4. Flash Tape & Primer
5. PUR Adhesive
6. Contact Adhesive
7. Clamping Strip
8. Peelstop Bar

9. Sealant
10. Reinforced Perimeter Strip & Primer
11. Edge Sealant
12. Quicktrim Water Check Kerb
13. Quicktrim Drip Edge
14. Quicktrim Corner
15. Pipe Boot
16. Corner Patch

A. Overlap Detail
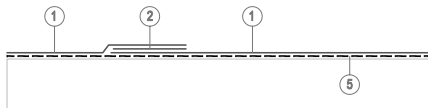
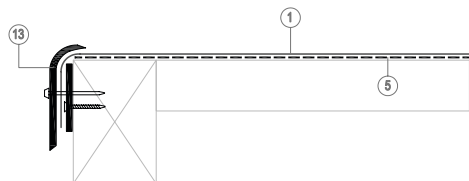**B. Standard Upstand Detail**
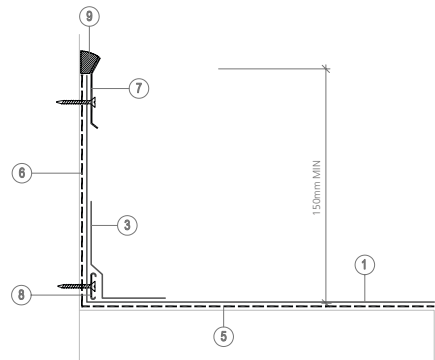
C. Hidden Upstand Detail
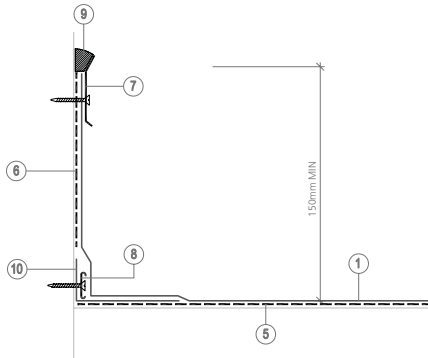
D. Advanced Upstand Detail
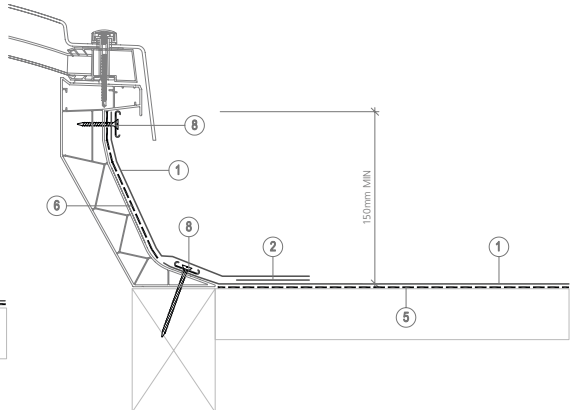
E. Quicktrim Watercheck Detail
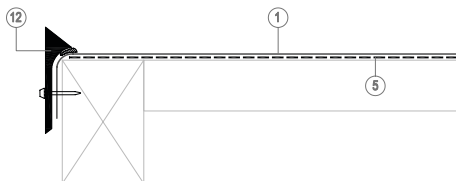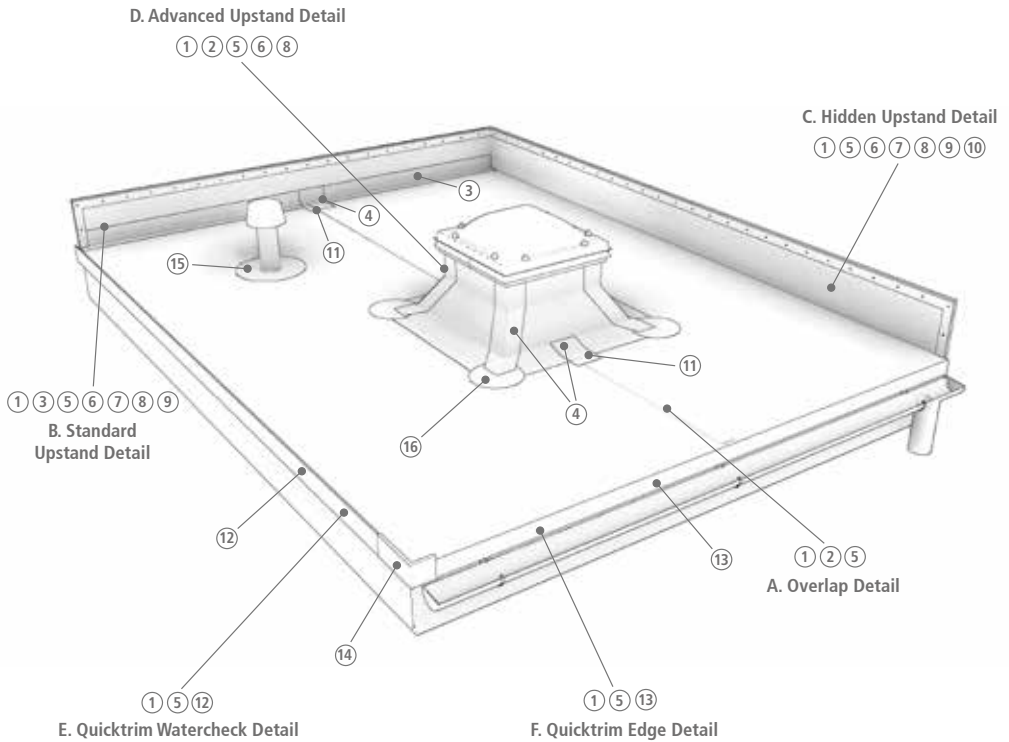
F. Quicktrim Edge Detail

Product Estimator

	Code	Product	Item No.	
Membrane (25m)	22720025 (1.7m)	G Grade EPDM Membrane	1	
	22720050 (3.35m)			
	22730050 (5m)			
Membrane (25m)	22711055 (1.7m)*	FR EPDM Membrane	1	
	22711050 (3.35m)*			
	22711056 (5m)*			
Tapes	22710075	Seam Tape	2	
	22700152	Cover Tape	3	
	22700229	Flashing Tape	4	
	22700011	Reinforced Perimeter Strip (RPS)	10	
Adhesives & Primers	22710005	PUR Adhesive	5	
	22710010	PUR Adhesive	5	
	22704200	Contact Adhesive	6	
	22705300	Sealant	9	
	22705100	Edge Sealant	11	
	22705200	Tape Primer	17	
Termination Bars, Trims & Corners	05493081	Clamping Strip	7	
	05490215	Peelstop Bar	8	
	22700014	Quicktrim Watercheck Kerb	12	
	22700015	Quicktrim Drip Edge	13	
	22700010	Quicktrim External Corner	14	
	22705400	Corner Patch	16	
Pipe Boots & Outlets	22700012	Pipe Boot	15	
	22700075	Rain Water Outlet	18	
	22700090			
	22700110			
	22700125			
Ancillaries	22700001	Cleaning Wash	n/a	
	22700045	Silicone Roller	n/a	
	22700013	Penny (Brass) Seam Roller	n/a	

*Additional lengths and bespoke prefabricated services are available. **Additional material should be allowed for upstands, roof lights, seam joints, overhangs and for terminations at the roofing edge. ***Flashing Tape can be used instead of Corner Patches or other detailing if desired.
Lead time: 5 working days from receipt of order.

Quantity Calculation (all calculations in m unless specified)	Materials Required		
Roof length **x** roof width**			m²
			m²
			m²
Roof length **x** roof width**			m²
			m²
			m²
Total length of seams (Detail A & D) ÷ 30.5			Roll(s)
Total length of upstand (Detail B) T-joints and butt joints ÷ 30.5			Roll(s)
Total number of internal/external corners + length of details to be completed ÷ 15.24 ***			Roll(s)
Total length of upstand to be fixed with RPS (Detail C) ÷ 30.48			Roll(s)
Roof length x roof width ÷ 15			Tin(s)
Roof length x roof width ÷ 30			Tin(s)
Upstand length x upstand height ÷ 8.5			Tin(s)
Total length of upstand to be completed ÷ 8			Cartridge(s)
Total length of cut tape edges to be sealed ÷ 6			Cartridge(s)
Total m² of surfaces to be primed ÷ 76			Tin(s)
Total length of upstand to be completed ÷ 2.5			Length(s)
Total length of upstand to be completed ÷ 2.1255			Length(s)
Total length of perimeter to be completed using Watercheck Kerb (Detail E) ÷ 2.5			Length(s)
Total length of perimeter to be completed using Drip Edge (Detail F) ÷ 2.5			Length(s)
Number of external corners to be completed using Quicktrim			Corner(s)
Number of external corners to be formed using EPDM Membrane ***			Corner(s)
Number of pipe penetrations to be weathered			Jubilee Clip included
Number of internal Rain Water Outlets required			90mm dia.
			75mm dia.
			110mm dia.
			125mm dia.
Number of units required (we suggest maintaining one in stock at all times)			
Number of units required (we suggest one per installer, when required)			
Number of units required (we suggest one per installer, when required)			

D. Advanced Upstand Detail
① ② ⑤ ⑥ ⑧

C. Hidden Upstand Detail
① ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

B. Standard Upstand Detail
① ③ ⑤ ⑥ ⑦ ⑧ ⑨

A. Overlap Detail
① ② ⑤

E. Quicktrim Watercheck Detail
① ⑤ ⑫

F. Quicktrim Edge Detail
① ⑤ ⑬

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Take a look at the latest IKO Ruberseal EPDM Roofing System video and many more on the IKO YouTube Channel:

www.youtube.com/user/IKOPLC123

Or scan the QR Code
with your smartphone

*EPDM Membrane only.

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September 2017

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In IKO's book, it's better to recycle or redistribute