



Commercial &
Industrial Grade
Roofing Product



Built to Last

IKO Two-ply Modified
Bitumen Roof Membrane

► www.iko.com

2-ply



IKO Two-ply Modified Bitumen Roof Membrane

A History of Quality Performance

Building owners have relied on IKO to fulfill their most demanding roofing requirements since 1951, when our company first opened our doors. We spent the past 30 years advancing our commercial roofing product line to meet new building science requirements. Today, IKO provides the most durable two-ply modified bitumen roofing system on the market. Backed by our full range of warranties and proven performance history, building owners can be confident in IKO's commitment to quality manufacturing.

A Sound Investment

Why replace a roof three times when you can invest once in IKO?

The adage, "You get what you pay for" rings just as true in roofing. When investing in a roofing system, there is no better solution than an IKO two-ply modified bitumen roofing membrane. With the longest service life – on average 25 years* – these fully adhered and built-in roofs can withstand the harshest of conditions – enabling building owners to get a solid return on their investment with more years of durability and hassle-free service.

IKO's two-ply modified bitumen roof membranes provide:

- Proven long-term durability.
- High tolerance for building stress.
- Outstanding strength and toughness.
- Exceptional puncture resistance.
- Good resistance to thermal shock.
- Generally superior fire resistance (Class A, using IKO **prevEnt**™).
- Lower maintenance and inspection costs on average.

IKO Fast-N-Weld™ Offers a Solid Choice

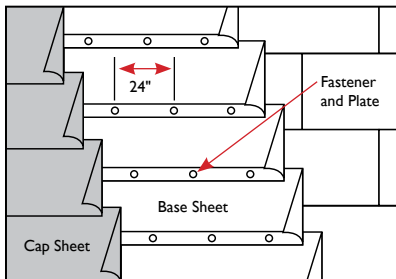
IKO has a variety of two-ply modified bitumen roofing systems available to meet any roofing requirement. Our recently re-engineered mechanically fastened Fast-N-Weld™ roofing system is ideal for application on steel and wooden roof decks. Some design authorities have specified this system over concrete decks as well. Fast-N-Weld™ is comprised of a mechanically fastened base sheet with self-adhering side laps, which generally keeps fire-sensitive roofing components and building areas free from exposure to flames used to perform heat welding.

Field Base Sheet

IKO recommends using the Fast-N-Stick™ 180 Base Sheet when installing the Fast-N-Weld™ system. Its side laps are sealed using a self-adhering selvage lap. When using Fast-N-Stick™ in cold weather, it may be necessary to gently pass a flame over the seam to activate the adhesion if the cap sheet is not applied on the same day.

Field Cap Sheet

IKO's Torchflex 180 or Torchflex 250 modified bitumen cap sheet should be used as the field cap sheet. Our standard modified cap sheet provides a Class "C" fire rating, and the Torchflex 180 or 250 **prevEnt**™ modified bitumen cap sheets provide a Class "A" roofing system.



Board Size	Number of Fasteners/Board
600 mm x 1200 mm (2' x 4')	2
1200 mm x 1200 mm (4' x 4')	2
1200 mm x 2400 mm (4' x 8')	4

*November 2008, RCI Interface Magazine, Page 13



IKO has a variety of two-ply modified bitumen roofing systems available to meet any roofing requirement.

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Ask Your Contractor to Specify IKO

IKO two-ply roofing membrane systems provide added protection with lower maintenance and installation costs. These systems also:

- Offer the strongest defense against harsh weather conditions.
- Reduce labour costs because the base sheet is mechanically fastened and not fully adhered with adhesives or completely torch-applied.
- Exceed Factory Mutual (FM) Windstorm Classification of I-90 requirements (with or without a cover board due to the mechanical fixation of membrane), with approved barbed plates and screws in one row 600 mm (24") on center.
- Do not require a special base sheet membrane reinforcement to meet FM Wind Uplift tests.
- Qualify for Underwriters Laboratories Inc. (UL®) and Underwriters' Laboratories of Canada (ULC) approval with or without a cover board.
- Reduce the structural dead load compared to a conventional built-up roof membrane or a loose-laid ballasted single-ply membrane.
- Reduce fire hazards on fire-sensitive substrates associated with the torching process with the use of the Fast-N-Stick™ 180 Base Sheet.
- Require no adhesives, thus eliminating offensive odors that exist with cold-applied adhesives used with adhered modified base sheets or adhered single-ply membranes.

Accessories

IKO offers a complete range of accessories to support our two-ply modified bitumen roofing systems:

- Vapour retarders.
- Polyisocyanurate insulation.
- Cover boards (optional Fiberboard or Asphaltic Core Boards).
- Asphalt.
- Self-adhering modified bitumen Armourbond Flash base sheet flashing membrane (polyester reinforced).
- Modified bitumen 180 or 250 cap sheet flashing membrane (polyester reinforced).
For a Class A roofing system, use a **prevENT**™ cap sheet.
- Fast-Dry Mod-Bit Primer (prime plates).
- IKO AquaBarrier™ Primer.
- Modiflex roof tapes.
- FM-approved barbed plates and screws to corrosion-resistance criteria of FM Standard 4470.

Pre-Securement of Roof Insulation

As per the FM Research Approval Guide, recommended pre-securement patterns to prevent blow-off of insulation during the roofing application (if applicable) are as shown in the chart.

Flashing Membranes

Base sheets can be self-adhered (Armourbond Flash) or torch-applied (Torchflex TP-180-FF-Base). IKO recommends the use of Modiflex Roof Tapes at all joints, voids, gaps or holes to prevent the torch flame from entering the interior space behind the substrate.

Cap Flashing Membrane

Cap sheet flashing membranes should match the cap sheet membrane in the roof field.

Nothing Tops IKO Quality

Unlike most competitive manufacturers, IKO makes roofing products and only roofing products. We also manufacture everything under one roof – ours – to maintain the highest level of quality control in the industry. Our people are committed to maintaining this caliber of excellence. That means you can rely on IKO for all your commercial roofing application needs – from the deck up.

Our quality assurance system has been independently registered as conforming to the ISO 9001-2000 Quality Standards. Registration to this thorough international standard, combined with IKO's commitment to setting the standard, ensure optimum product performance and customer satisfaction.

Take pride in installing an entire roofing system manufactured by a family owned company that has been committed to manufacturing quality roofing products since 1951.



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IKO Stands Behind Our Products

IKO offers a wide range of limited warranties to suit your individual needs, including Material Only, Limited Labour and Material, and our Total Value Warranty. Ask a professional contractor which warranty program is right for you.

Roofing Know-How and Technical Support

Our people are just as dedicated when it comes to providing technical support. We are more than happy to provide you with information during the design and specification phases, bringing a wealth of commercial roofing know-how to help you find the best solutions. Our support includes:

- Online access
- Industry bulletins
- Product overviews
- Toll-free support hotline
- Specification manuals
- Regional technical managers

For the most current information on IKO's full line of commercial/industrial roofing, waterproofing products and accessories, please visit us online at ► www.iko.com
For additional information, warranty, distribution, product availability, job references and much more, please call IKO Technical Services at **1-888-766-2468**.



Warning and Limitations

Please consult IKO for special precautions and storage conditions for cold temperature applications. Phasing of the roof membrane system with the Fast-N-Stick™ 180 Base Sheet is not permitted. Cap sheet membrane must be heat-welded over the base sheet to ensure adhesion to the self-adhesive side lap.

IKO will not be responsible for specific building designs by others, for deficiencies in construction or workmanship, for dangerous conditions on the job site, or improper storage and handling.



IKO two-ply roofing membrane systems provide added protection with lower maintenance and installation costs.

IKO Worldwide

Canadian Plants

- IKO Brampton
- IKO Calgary
- IKO Hawkesbury
- IKO Madoc
- Canroof - Toronto
- Canroof - Brampton
- IG Machine & Fibers Ltd. - Brampton
- IG Machine & Fibers Ltd. - High River
- IG Machine & Fibers Ltd. - Ashcroft
- GH International
- Bramcal Production Inc.

United States Plants

- IKO Midwest Inc.
- IKO Pacific
- IKO Wilmington
- Fiberteq LLC
- MW/MB LLC

European Plants

- IKO Sales International NV - Belgium
- Asphaltco SA - Belgium
- ATAB NV/ASBO NV - Belgium

European Plants

- IKO Insulations BV - The Netherlands
- Touwen & Co. BV - The Netherlands
- Meple SA - France
- Ruberoid - Northern Ireland - Ireland
- Irish Roofing Felts Ltd./Ruberoid - Southern Ireland - Ireland
- Ruberoid Building Products & Permanite Engineered Roofing Systems - UK
- Ruberoid Building Products Ltd. - UK
- Permanite Asphalt - UK
- Marley Waterproofing - UK

European Sales Offices

- IKO Dachschindeln Vertrieb GmbH - Germany
- IKO Sp. z. oo. - Poland
- IKO LLC - Russia
- IKO Sales Romania SRL - Romania
- IKO Slovakia s.r.o. - Slovakia
- IKO Magyarorszag Kft - Hungary
- IKO s.r.o. - Czech Republic
- Nebiprofa B.V. - The Netherlands

Asian Sales Office

- IKO Sales Shanghai Co. Ltd. - China

Thank you for considering IKO Premium Roofing products. For additional information on IKO's full line of superior Commercial/Industrial Roofing and Waterproofing products please call: **1-888-766-2468** or visit our web site at:

► www.iko.com

Note: The information in this literature is subject to change without notice. IKO assumes no responsibility for errors that may appear in this literature.