

HEAT WELDED ROOFING SYSTEMS

Torchflex™

FULLY ADHERED ROOFING SYSTEMS

Modiflex™

IKO.COM/COMM

- Simple Application
- Easy Maintenance
- Quality Assurance
- Tough and Long-lasting
- Protection from the Elements

High performance modified bitumen roofing and waterproofing systems that are quickly installed, easy to maintain and highly cost efficient.

 **COMMERCIAL**

Specify with Confidence.

HEAT WELDED ROOFING SYSTEMS

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Tough, long-lasting construction

Modiflex and Torchflex are made from a tough non-woven mat (fiberglass, reinforced polyester or composite) and coated top and bottom with SBS polymers and premium asphalt. SBS (or Styrene-Butadiene-Styrene) is a rubber-based chemical that gives the asphalt some outstanding qualities: superior elasticity, excellent moisture resistance, and exceptional cold weather flexibility. The end result is a long-lasting, durable membrane which can be applied to a wide variety of surfaces on roofs of almost any shape or design.

Simple to apply and easy to maintain

Modiflex is applied by hot-mopping the membrane with asphalt or cold-applying with an adhesive. Torchflex is applied by heat welding the membrane, fusing it to a substrate, and using the same process to seal the seams. Modiflex and Torchflex are both compatible with existing BUR products. Easy inspection allows damaged areas to be readily identified, and repairs may be performed with a hand torch and round-nosed trowel.

Protection from the elements

When used as recommended, Modiflex and Torchflex systems provide superior protection against water infiltration and extreme weather conditions. Modiflex and Torchflex cap sheets are offered with ceramic coated mineral granules embedded into the top surface for greater resistance to damaging ultraviolet rays.

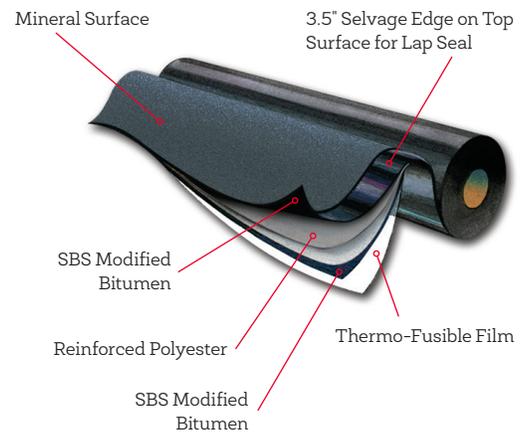
Quality assurance

Modiflex and Torchflex are both manufactured under stringent quality control conditions, involving ongoing testing and product research. Before finished products leave the plant, they will have displayed high elasticity and tensile strength, optimal granule adhesion, high thermal shock resistance, low temperature flexibility, high fatigue endurance, exceptional resistance to aging and weathering and excellent puncture resistance.

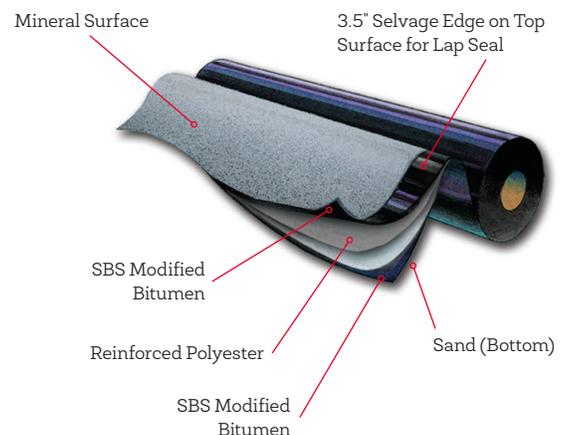
Nothing tops IKO Quality

IKO manufactures 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 of your commercial roofing application needs – from the deck up. Take pride in installing an entire roof system manufactured by a family-owned company that has been committed to manufacturing quality roofing products since 1951.

Torchflex TP-Cap



Modiflex MP-Cap



Durable, reinforced and easy to install, with a ceramic-coated mineral granule surface to provide added protection against ultraviolet rays.

TORCHFLEX CAP SHEETS

STANDARD

A heat-welded cap sheet of a tough, non-woven, reinforced polyester mat strengthened with select glass fiber strands, coated on both sides with select SBS polymers and premium asphalt to a nominal thickness of 4.0 mm [5.0 mm for TP-250-Cap (5.0)]. Ceramic-coated mineral granules are embedded into the top surface while the bottom surface is covered by a thin micro-perforated film which dissolves during heat welding to the substrate.

Uses:

- Top ply in a two-ply modified system.
- Protective cap for conventional BUR.
- Top ply in a flashing installation.

Products:

Torchflex TP-180-Cap
Torchflex TP-250-Cap
Torchflex TP-250-Cap (5.0)
Torchflex PrevENT™ TP-250¹

SPECIALTY

ARMOURCOOL™

A tough composite reinforcement of non-woven polyester strengthened with a glass fibre scrim in both machine and cross direction, coated with select SBS polymers and premium asphalt to a finished thickness of 4.0 mm (158 mils). Highly reflective mineral granules are embedded into the top surface to satisfy LEED requirement SS7.2 with an SRI of 82. The bottom is covered with a thin micro-perforated film which disappears during heat welding.

Uses:

- Top ply in a two-ply reflective modified system
- Protective cap for conventional BUR

Products:

ArmourCool Granular TP-HD-Cap
PrevENT ArmourCool Granular TP-HD-Cap¹

COMPOSITE

A tough composite reinforcement of non-woven polyester strengthened with a glass fiber scrim in both machine and cross directions. These HD membrane products are offered throughout the full line of asphalt systems.

Uses:

- Protective cap for a conventional BUR.
- Top ply in a two-ply modified system.

Products:

Torchflex TP-HD-Cap
Torchflex PrevENT™ TP-HD-Cap^{1,2}
ArmourCool Granular TP-HD-Cap²
PrevENT ArmourCool Granular TP HD-Cap^{1,2}
Carrara ArmourCool HD-Cap²

TORCHFLEX BASE SHEETS

STANDARD

TORCHFLEX TF-95

An inorganic reinforcing mat of high strength non-woven glass fibers, coated top and bottom with SBS polymers and premium asphalt to a nominal thickness of 2.2 - 3.0 mm. The bottom surface is covered by a thin micro-perforated film which will burn off during heat welding applications. The top surface is sanded for hot mop or approved IKO cold adhesive applications or covered in a thin micro-perforated film which disappears upon heat welding.

Uses:

- First ply in a two-ply modified system.
- SF version can be used as a vapour retarder on suitable substrates.

Products:

Torchflex TF-95-FF-Base (2.2)
Torchflex TF-95-SF-Base (2.2)
Torchflex TF-95-SF-Base (3.0)²

TORCHFLEX TP-180

A tough, non-woven reinforced polyester mat strengthened with select glass fiber strands and coated on both sides with SBS polymers and premium asphalt. The bottom surface is covered by a thin micro-perforated film which will burn off during heat welding applications. The top surface is sanded for hot mop or approved IKO cold adhesive applications or covered in a thin micro-perforated film which disappears upon heat welding.

Uses:

- First ply in a two-ply Torchflex system.
- Base ply for flashing systems.
- SF version can be used as a vapour retarder on suitable substrates.

Products:

Torchflex TP-180-FF-Base
Torchflex TP-180-SF-Base (3.0)
Torchflex TP-180-SF-Base (3.5)²

COMPOSITE

A tough composite reinforcement of non-woven polyester strengthened with a glass fiber scrim in both machine and cross directions. The top film melts during application of the heat-welded cap sheet, while the bottom film dissolves during heat welding to the substrate.

Uses:

- First ply in a two-ply Torchflex system.
- Base ply for flashing systems.
- Base ply for a layered membrane construction system.

Products:

Torchflex TP-HD-FF-Base

¹External fire resistance rating. ²Non-stock special order item.

Modiflex™

MODIFLEX CAP SHEETS

STANDARD

A tough, non-woven, reinforced polyester mat strengthened with select glass fiber strands and coated on both sides with select SBS polymers and premium asphalt (MP-180: 3.5 mm; MP-250: 3.8 mm). Ceramic coated mineral granules are embedded into the top surface while the bottom surface is sanded for hot-mop application or an IKO-approved cold process adhesive.

Uses:

- Top ply in a two-ply modified system.
- Protective cap for conventional BUR.
- Top ply in a flashing installation.

Products:

Modiflex MP-180-Cap
Modiflex MP-250-Cap
Modiflex PrevENT MP-250-Cap^{1,2}

COMPOSITE CAP

A tough composite reinforcement of non woven polyester strengthened with a glass fiber scrim in both machine and cross directions. Ceramic coated mineral granules cover the surface of the cap product to provide superior protection against ultraviolet radiation.

Uses:

- Use in a two-ply Modiflex system.

Products:

Modiflex MP-HD-Cap²
Modiflex PrevENT MP-HD^{1,2}

MODIFLEX BASE SHEETS

STANDARD

MODIFLEX 95-BASE

An inorganic reinforcing mat of high strength non-woven glass fibers, coated top and bottom with select SBS polymers and premium asphalt to a nominal thickness of 2.2 mm. Modiflex MF-95 Base sheets are offered with the top surface sanded for hot-mop application or cold adhesive or covered by a thin micro-perforated film for heat welding application. The bottom surface is sanded, for hot-mop application or cold adhesive application.

Uses:

- First ply in a two-ply modified system.
- First ply in a hybrid BUR System (SS version)

Products:

Modiflex MF-95-FS-Base
Modiflex MF-95-SS-Base

MODIFLEX 180-BASE

A tough non-woven reinforced polyester mat, strengthened with select glass fiber strands and coated on both sides with SBS modified bitumen to a nominal thickness of 2.2 mm, 2.5 mm or 3.0 mm depending on the version. Modiflex MP-180 Base sheets are offered with the top surface sanded for hot-mop application or an IKO approved cold process adhesive or covered by a thin micro-perforated film for heat welding application. The bottom surface is sanded for hot-mop application or cold adhesive application.

Uses:

- First ply in a two-ply modified system.
- Base ply for flashing systems.
- First ply in a hybrid BUR System (SS version).

Products:

Modiflex MP-180-SS-Base
Modiflex MP-180-SS-Base (3.0)
Modiflex MP-180-FS-Base
Modiflex MP-180-FS-Base (3.0)²

COMPOSITE BASE

A tough composite reinforcement of non-woven polyester strengthened with a glass fiber scrim in both machine and cross directions. This base sheet is coated top and bottom with select SBS polymers and premium asphalt. The bottom surface is sand covered to allow application via mopping or an IKO-approved cold process adhesive. The top surface is available with film which disappears upon heat welding or with sand for hot mop or approved IKO cold adhesive applications.

Uses:

- First ply in a two-ply modified system.
 - Base ply for flashing systems.

Products:

Modiflex MP-HD-FS-Base
Modiflex MP-HD-SS-Base²

¹External fire resistance rating. ²Non-stock special order item.

Fast-N-Stick, Armourbond, Armourvent

MECHANICALLY ATTACHED

FAST-N-STICK™

A strong “lay-flat” base sheet that is composed of a tough, non-woven reinforced polyester mat strengthened with select glass fiber strands. (Also available with a composite mat). Coated with select SBS polymers and premium asphalt to a thickness of approximately 2.5 mm. The top surface is covered by a thin micro-perforated film which disappears upon heat welding of the cap sheet. A dual release self-adhering selvage that incorporates an adhesive SBS coating is provided for complete self-adhesive lap seaming of the product.

Uses:

- Mechanically fastened base sheet in the Fast-n-Weld™ System.

Products:

Fast-N-Stick 180-Base
Fast-N-Stick HD-Base

SELF-ADHERED

ARMOURBOND™

A tough, non-woven reinforced polyester mat strengthened with select glass fiber strands. (Also available with a composite mat). Coated on both sides with select SBS polymers and premium asphalt to a nominal thickness of 3.0 mm (Armourbond 180), 2.5 mm (Armourbond Flash). A thin micro-perforated film covers the top surface (sand top surface with Armourbond Flash Sand). The back surface is self-adhering and is covered with a silicone treated release film. A dual release self-adhering selvage is incorporated on the product for complete self-adhesive lap seaming.

Uses:

- Excellent base for the application of a heat-welded cap sheet. Can be used in flame-sensitive areas for flashing details, as it is self-adhesive.
- Tough, thick base is ideal to adhere to flame-sensitive substrates.

Products:

Armourbond Flash
Armourbond Flash HD
Armourbond Flash Sand
Armourbond Flash Sand HD
Armourbond 180

ARMOURVENT™

A tough, non-woven reinforced glass mat or composite mat, coated with select SBS polymers and premium asphalt. The bottom surface is a vented self-adhesive pattern with silicone treated release film. The top surface is coated with a thin micro-perforated film. A dual release self-adhering selvage is incorporated on the product for complete self-adhesive lap seaming.

Uses:

- Aides in vapour diffusion of moisture below the membrane.
- Promotes stress distribution from substrate.

Products:

Armourvent Base
Armourvent HD Base



Torchflex™

Modiflex™

ACCESSORY PRODUCTS

Mod-Bit Primer

- Acceptable substrates include concrete, masonry, wood, gypsum, metal and asphalt roofing.
- Properly prepares surfaces for heat welding and hot asphalt applications.
- Enhanced membrane adhesion and great temperature application range.
- Applies with brush, roller or spray and dries in approximately one hour.

Spray Primer

- Acceptable substrates include concrete, masonry, wood, gypsum, metal and asphalt roofing.
- Quickly prime vents, collars and other materials during roof application.
- Easy aerosol spray application and great temperature application range.
- Fast drying — three minutes to touch and 60 minutes to completely dry.

MS Detail

- Can be applied to almost any substrate and great for hard-to-flash in areas.
- Applied by brush, trowel, roller or sausage gun.
- Resists UV degradation and convenient packaging of 12 sausages/pail reduces waste.
- Solvent and VOC free and won't dry out or crack over time.
- Quick set-up with full cure in 24 hours.



TORCHFLEX · MODIFLEX PREVENT™ CAP SHEET PRODUCTS^{1,4}

Cap Sheets	Nominal Thickness mm (mils)	Reinforcement Type g/m ² (lb/100ft ²)	Surface Finish		Product Size m (ft.)	Area m ² (ft ²)	Colour	Application	
			Top	Bottom				Heat-Welded	Mopped/Cold-Applied
Modiflex PrevENT MP-250 ⁵	3.8 (150)	Reinforced Polyester 250 (5.0)	Granules	Sand	1 x 10 (3.28 x 32.8)	10 (108)	Brown Charcoal Grey Frostone Grey	—	✓
Modiflex PrevENT MP HD ⁵	3.5 (138)	Heavy Duty Composite					Brown Charcoal Grey Frostone Grey	—	✓
Torchflex PrevENT TP-250 ³	4.0 (158)	Reinforced Polyester 250 (5.0)	Micro-perforated film	1 x 8 (3.28 x 26.2)	8 (86)	Charcoal Grey Frostone Grey	✓	—	
Torchflex PrevENT TP HD ⁵		Heavy Duty Composite				Black Charcoal Grey Frostone Grey	✓	—	

¹All values are approximate. ²Also available in PrevENT version. ³External fire resistance rating. ⁴Non-stock special order item.

Note: Please refer to Product Data Sheets for more technical information.

Technical Support: Hands-on demonstrations and applicator training. On-site reviews. Specification assistance.

Draft Specifications: Draft specs are available from IKO.COM/COMM or your local IKO Commercial Representative.

All components are manufactured in an ISO 9001 - 2008 REGISTERED FACILITY

Torchflex™

Modiflex™

TORCHFLEX · MODIFLEX CAP SHEET PRODUCTS¹

Torchflex and Modiflex are superior roofing membranes with exceptional elasticity, remarkable cold weather flexibility and excellent fatigue resistance.

Cap Sheets	Nominal Thickness mm (mil)	Reinforcement Type g/m ² (lb/100ft ²)	Surface Finish		Product Size m (ft.)	Area m ² (ft ²)	Colour	Application			
			Top	Bottom				Heat-Welded	Mopped/Cold-Applied	Fastened	Self-Adhesive
Torchflex TP-180-Cap	4.0 (158)	Reinforced Polyester 180 (3.7)	Granules	Micro-perforated film	1 x 8 (3.28 x 26.2)	8 (86)	Black, Brown, Charcoal Grey, Frostone Grey	✓	—	—	—
Torchflex TP-250-Cap		Reinforced Polyester 250 (5.0)					Black, Brown, Charcoal Grey, Frostone Grey	✓	—	—	—
Torchflex TP-250-Cap (5.0)	Reinforced Polyester 250 (5.0)	Frostone Grey					✓	—	—	—	
Torchflex TP-HD Cap	4.0 (158)	Heavy Duty Composite					Black, Frostone Grey	✓	—	—	—
ArmourCool Granular TP-HD ⁵		Heavy Duty Composite					Armour Cool White	✓	—	—	—
Modiflex MP-180-Cap	3.5 (138)	Reinforced Polyester 180 (3.7)	Granules	Sand	1 x 10 (3.28 x 32.8)	10 (108)	Brown Charcoal Grey Frostone Grey	—	✓	—	—
Modiflex MP-250-Cap	3.8 (150)	Reinforced Polyester 250 (5.0)					Charcoal Grey Frostone Grey	—	✓	—	—
Modiflex MP-HD-Cap ⁵	3.5 (138)	Heavy Duty Composite					—	✓	—	—	
Carrara ArmourCool HD ³	4.0 (158)	Heavy Duty Composite	Granules	Micro-perforated film	1 x 8 (3.28 x 26.2)	8 (86)	Armour Cool White	✓	—	—	—
Self-Adhered Membranes											
Armourbond Flash	2.5 (98)	Reinforced Polyester 140 (2.9)	Micro-perforated film		1 x 15 (3.28 x 49.2)	15 (161)		—	—	✓	✓
Armourbond Flash HD	2.5 (98)	Heavy Duty Composite						—	—	✓	✓
Armourbond Flash Sand	2.5 (98)	Reinforced Polyester 140 (2.9)	Sand					—	—	✓	✓
Armourbond Flash Sand HD ⁵	2.5 (98)	Heavy Duty Composite	Sand	Release Film	1 x 15 (3.28 x 49.2)	15 (161)	—	—	✓	✓	
Armourbond 180	3.0 (118)	Reinforced Polyester 180 (3.7)			1 x 10 (3.28 x 32.8)	10 (108)	—	—	✓	✓	
Armourvent Base	2.8 (110)	Fibreglass Reinforcement 95 (1.95)	Micro-perforated film		1 x 12 (3.28 x 39.4)	12 (129)	—	—	✓	✓	
Armourvent HD Base ⁵	2.8 (110)	Heavy Duty Composite			1 x 12 (3.28 x 39.4)	12 (129)	—	—	✓	✓	

¹All values are approximate. ³Also available in PrevENT version. ⁵Non-stock special order item.

Note: Please refer to Product Data Sheets for more technical information.

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TORCHFLEX · MODIFLEX BASE SHEET PRODUCTS¹

Torchflex and Modiflex are superior roofing membranes with exceptional elasticity, remarkable cold weather flexibility and excellent fatigue resistance.

Base Sheets	Nominal Thickness mm (mil)	Reinforcement Type g/m ² (lb/100ft ²)	Surface Finish		Product Size m (ft.)	Area m ² (ft ²)	Colour	Application			
			Top	Bottom				Heat-Welded	Mopped/ Cold-Applied	Fastened	Self-Adhesive
Torchflex TF-95-SF-Base	2.2 (87)	Fibreglass Reinforcement 95 (1.95)	Sand		1 x 15 (3.28 x 49.2)	15 (161)		☑	—	☑	—
Torchflex TF-95-SF-Base (3.0) ⁵	3.0 (118)				1 x 10 (3.28 x 32.8)	10 (108)		☑	—	☑	—
Torchflex TF-95-FF-Base (2.2)	2.2 (87)		Micro-perforated film		1 x 15 (3.28 x 49.2)	15 (161)		☑	—	☑	—
Torchflex TP-180-SF-Base 3.0 mm	3.0 (118)	Reinforced Polyester 180 (3.7)	Sand	Micro-perforated film	1 x 10 (3.28 x 32.8)	10 (108)	—	☑	—	☑	—
Torchflex TP-180-SF-Base 3.5 mm ⁵	3.5 (138)							☑	—	☑	—
Torchflex TP-180-FF-Base	3.0 (118)		Micro-perforated film					☑	—	☑	—
Torchflex TP-HD-FF-Base	3.0 (118)	Heavy Duty Composite	Micro-perforated film					☑	—	☑	—
Modiflex MF-95-FS-Base	2.2 (87)	Fibreglass Reinforcement 95 (1.95)			1 x 15 (3.28 x 49.2)	15 (161)		—	☑	☑	—
Modiflex MF-95-SS-Base			Sand					—	☑	☑	—
Modiflex MP-HD-FS-Base		Micro-perforated film		—				☑	☑	—	
Modiflex MP-HD-SS-Base ⁵	2.5 (98)	Heavy Duty Composite	Sand	Sand				—	☑	☑	—
Modiflex MP-180-FS-Base	2.2 (87)	Reinforced Polyester 180 (3.7)			1 x 10 (3.28 x 32.8)	10 (108)	—	—	☑	☑	—
Modiflex MP-180-FS-Base (3.0) ⁵	3.0 (118)		Micro-perforated film					—	☑	☑	—
Modiflex MP-180-SS-Base	2.5 (98)		Sand					1 x 15 (3.28 x 49.2)	15 (161)		—
Modiflex MP-180-SS-Base 3.0mm	3.0 (118)		Sand		1 x 10 (3.28 x 32.8)	10 (108)		—	☑	☑	—
Fast-N-Stick 180 Base	2.5 (98)	Reinforced Polyester 180 (3.7)	Micro-perforated film	Sand	1 x 15 (3.28 x 49.2)	15 (161)		—	—	☑	—
Fast-N-Stick HD Base	2.5 (98)	Heavy Duty Composite						—	—	☑	—

Find out more about our products now by talking to an IKO Sales Representative, your professional roofing contractor or contact us directly at: **Canada 1-855-IKO-ROOF (1-855-456-7663)** or visit our website at: **IKO.COM/COMM**.

¹All values shown are approximate. ⁵Non-stock special order item. **Note:** Please refer to Product Data Sheets for more technical information.

The information on this sheet is based on data considered to be true and accurate based on periodic internal testing and production measurements at time of manufacture.

The information is offered solely for the user's consideration, investigation and verification. Nothing contained herein constitutes or represents a warranty or guarantee for which the manufacturer can be held legally responsible.