

FAST-N-WELD™ Membrane Systems

Description

IKO Industries Ltd. (IKO) has developed the Fast-N-Weld™ roof membrane system for application on various roof decks. The two-ply SBS modified bituminous roof membrane is comprised of a mechanically fastened base sheet, with self-adhering side laps.

On fire sensitive substrates, side laps of the base sheet are sealed using a double self-adhesive selvage by using IKO's Fast-N-Stick™ 180 Base Sheet. Self-adhesive laps can only be used at suitable ambient temperatures. 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 the adhesion of the self-adhesive side lap.

Why Specify FAST-N-WELD™ ?

Labor-saving installation since the base sheet is mechanically fastened and not fully adhered with adhesives or completely torch-applied.

Mechanical fixation of membrane with specialized barbed plates and screws in one row on 600 mm (24") o.c., qualifies for a Factory Mutual (FM) Windstorm Classification of 1-90.

Special reinforced base sheets are not required for FM Wind Uplift approvals.

Fast-N-Weld™ System, qualifies for Underwriters Laboratories (UL/ULC) approval without a coverboard.

Dead load on the structure is less than a conventional built-up roof membrane or a loose-laid ballasted single-ply membrane.

Fire hazards on fire-sensitive substrates associated with the torching process are reduced with the use of the Fast-N-Stick™ 180 Base Sheet.

No adhesives required, thus eliminating offensive odors that exist with cold-applied adhesives used with adhered modified base sheets or adhered single-ply membranes.

Enhancement

When specified according to FM Guidelines, as published in FM Loss Prevention Data Bulletin 1-29 and 1-28; the perimeter-fastening pattern of the base sheet will be increased accordingly to comply with these guidelines.

Pre-Securement of Roof Insulation

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

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

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 flame of the torch from entering the interior space behind the substrate. Cap sheet flashing membranes should match the cap sheet membrane in the field of the roof.

Accessories

Fast-Dry Mod-Bit Primer (prime plates)

IKO S.A.M. Primer

Modiflex Roof Tapes

FM Approved barbed plates & screws to corrosion resistance criteria of FM Standard 4470.



