

IKO Trade Felt Top Sheet & Underlay – Application/Installation Instructions

IKO Trade Felt Top Sheet is a traditional mineral surfaced roofing felt for use as a top sheet over IKO Trade Felt Underlay.

It is ideal for use on garages and non-inhabited outbuildings where a built-up felt roofing system is required. The system is suitable for both the refurbishment of existing roofs and for new roof works.

Coverage:

A 20m² roof area will require:

- Trade Felt Underlay = 3 rolls (10m x 1m) or 2 rolls (20m x 1m).
- Trade Felt Top Sheet = 3 rolls (10m x 1m).
- IKOpro Roofing Felt Adhesive to bond the top layer.

As a guide, if nailing the first layer (see application instructions below), 4 x 5 litres of felt adhesive will be required to bond the top layer. If strip bonding the first layer, a total of 6 x 5 litres of felt adhesive will be required to bond both layers.

Felt preparation:

Unroll the felt onto a clean, flat surface at least 30 minutes before you need to use it, as this makes it easier to apply. Do not use lawn surfaces for this purpose, as temporary yellowing of the grass may occur.

Temperature awareness:

IKO Trade Felt is easier to work with at temperatures over 10°C. Avoid installing in wet or very cold weather.

The roof deck should have a fall of 1:80 and be free-draining.

Required tools:

- Hammer.
- Tape measure
- Stanley knife, straight edge.
- Brush for adhesive application.

Appley Lane North
Appley Bridge
Wigan
WN6 9AB

Prospect Quarry
Grangemill
Matlock
DE4 4BW

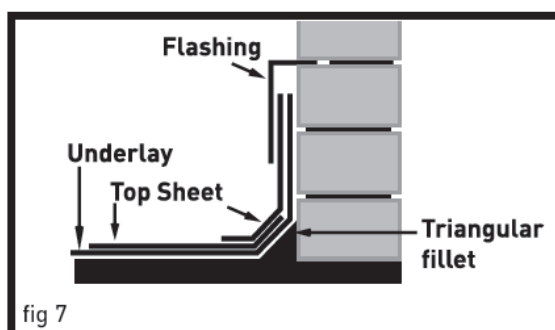
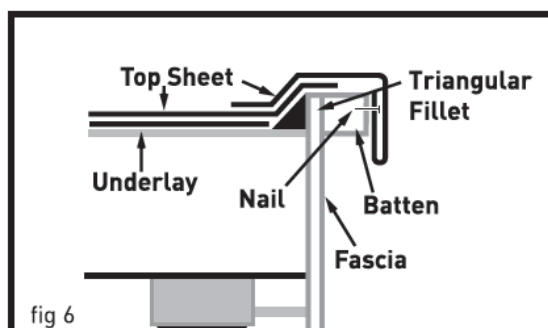
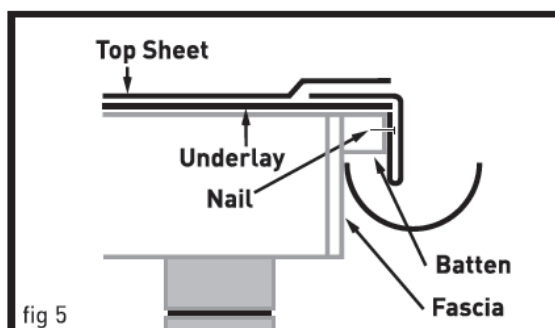
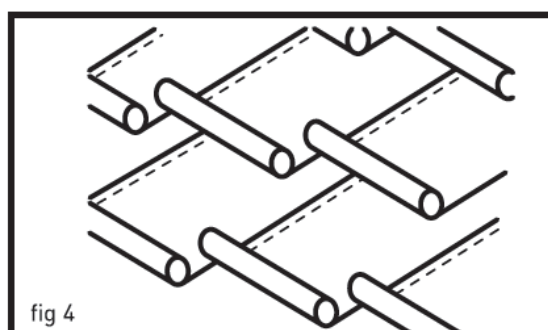
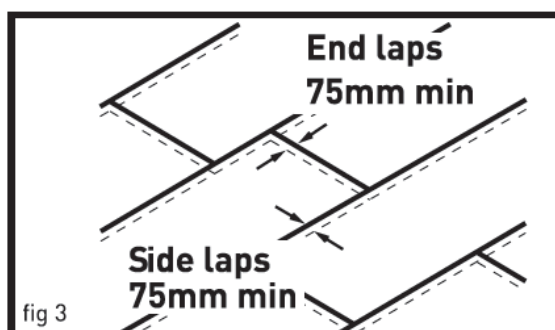
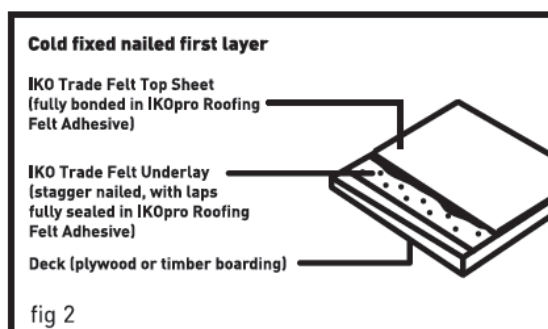
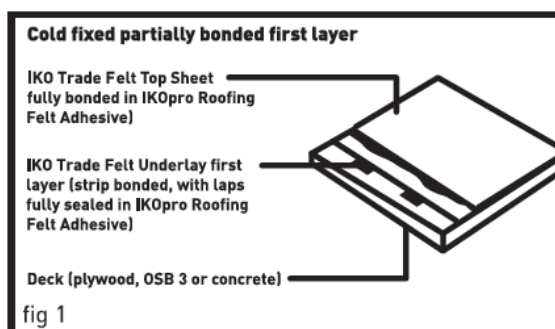
Coney Green Road
Clay Cross
Chesterfield
S45 9HZ

t: 01257 255771
e: getintouch.uk@iko.com



Method of application:

Depending on the composition of the roof deck, IKO Trade Felt Underlay can be applied by either the strip bonding method (see Fig. 1) or by nailing (see Fig. 2).



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Application:

Fig. 1) To fix IKO Trade Felt Underlay to plywood, concrete, and similar roof decks, use IKOpro Roofing Felt Adhesive and the strip bonding method (see Fig. 1).

Remove existing felt and ensure the deck is sound, dry, and free from projections and protruding nail heads. If the deck is rotten, replace it with suitable material. Prime dusty or porous decks with IKOpro Quick Dry Bitumen Primer.

Fig. 2) Apply 100mm strips of IKOpro Roofing Felt Adhesive to cover 50% of the roof surface. The roofing felt should be positioned and unrolled into the adhesive. All lap joints must be fully sealed by bonding with IKOpro Roofing Felt Adhesive.

Fig. 3) To nail, fix IKO Trade Felt Underlay to timber boarding, plywood, and OSB 3 decks. Use 20mm large head galvanised clout nails and stagger nail them at 150mm centres in both directions.

Overlap adjacent sheets by 75mm minimum and nail along the lap at 50mm intervals (see Fig. 2, 3, and 4). Lap joints must also be sealed by applying IKOpro Roofing Felt Adhesive between the overlapping sheets before nailing.

Fig. 4) Fix the IKO Trade Felt Top Sheet with a full bond of IKOpro Roofing Felt Adhesive. The adhesive should be applied over the full area of the section to be fixed, following the instructions on the product packaging. The roofing felt is then unrolled into the adhesive.

Note: To assist with the application and correct positioning of the roll, it is advised that the sheet is unrolled into the correct position before applying the adhesive, then rolled back to the centre and the adhesive applied.

Unroll the sheet into the adhesive, smoothing out any air pockets, and repeat the process for the other half of the roll.

Fig. 5) Side and end laps should be 75mm minimum and fully sealed (see Fig. 3). Ensure laps on the IKO Trade Felt Top Sheet do not occur at overlaps in the previously applied underlay. It is suggested that the first sheet of underlay is installed as a half-width sheet; by this method, the lap joint in the top sheet will coincide with the centre of the underlay sheet.

Install roofing felts starting at the lowest section of the roof (the drainage point) and work with successive layers up the roof slope. All lap joints should be with the fall and not restrict the flow of water from the roof.

Fig. 6) To obtain a clean finish to the top sheet laps, the cold-applied adhesive should be carefully applied so that there is no surplus beyond the finished edge of the lap.

Fig. 7) Upstands and detail work should always be formed from separate pieces of IKO Trade Felt Top Sheet and be fully bonded in IKOpro Roofing Felt Adhesive (see Fig. 5, 6, and 7). Upstands to brickwork, etc, should finish beneath a suitable lead flashing or be dressed into a chase in the mortar joint.

This product is expected to last up to 10 years when installed according to the manufacturer's instructions.

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