



ANTI-CONDENSATION FELT GUIDE

How does anti-condensation felt work?

- During cold weather, moisture from the internal air can condense on the underside of uninsulated metal sheets.
- The anticon fleece absorbs this moisture into its fibre structure, preventing it from dripping.
- When temperatures rise or ventilation improves, the absorbed moisture evaporates back into the air.

It is a passive moisture control system — it does not stop condensation from forming but temporarily manages it.

Roof pitch and building suitability

- Anti-condensation felt is intended for use on pitched roofs, typically 10° or greater.
- On roofs between 5° and 10°, additional detailing at the eaves and end laps may be required to prevent water tracking back up the sheet. For low pitches, consult Briarwood Technical before specifying anticon.
- Anticon is suitable for simple, naturally ventilated agricultural, storage and open-sided buildings. It is not a substitute for insulation or a vapour control layer in heated or airtight buildings.

Key limitations

- 1. Not Waterproof**
 - The felt absorbs water but is not a waterproof membrane.
 - It must never be exposed directly to weather or external moisture.
- 2. Requires ventilation**
 - The system only functions when the airspace beneath the roof is well-ventilated.
 - Lack of airflow prevents drying and can lead to saturation or mould growth.
- 3. Limited Absorption Capacity**
 - The felt can absorb only a finite amount of moisture (typically 0.5–1.0 L/m²).
 - In persistently humid or unventilated spaces, it may reach full saturation and begin to drip.
- 4. Unsuitable for Heated or Humid Buildings**
 - Not recommended for dwellings, swimming pools, food-processing areas, or any building where humidity is consistently high.
 - Use fully insulated, vapour-controlled systems instead.
- 5. Thermal Movement and Adhesion**
 - Sheets with anticon felt should be handled carefully; dragging or stacking wet sheets can damage the fleece.
 - Excessive heat during installation (hot cutting, welding, or storage in direct sunlight) can affect adhesion of the felt.

6. Cleaning & Maintenance

- Anticon surfaces are not washable once installed.
- Avoid painting, pressure washing, or chemical treatment of the felt.

7. Livestock buildings and new construction

- In livestock buildings and other high-moisture environments, anticon felt will only perform correctly where the building is properly designed and ventilated. Please consult Briarwood Technical before specifying anticon in such applications.
- When covering new buildings where moisture is still evaporating from concrete or screeds, temporary dripping may occur due to very high humidity. This is normal and will reduce as the building dries out.

Design and installation notes

- Always install sheets with the felt facing the building interior.
- Ensure adequate ventilation openings at eaves and ridge to allow drying.
- Do not install in direct contact with insulation, timber, or other absorbent materials.
- Ensure overlapping areas are kept free of felt where sealants or side-laps occur — the felt should terminate short of lap lines.
- Allow sheets to dry completely before stacking or covering after installation.
- Provide continuous ventilation at the eaves and ridge. Do not completely block ventilation paths with solid foam fillers — if the roof cannot be ventilated, anti-condensation felt should not be used and an alternative system should be specified.
- When fixing to timber purlins, Briarwood recommends the use of a suitable PVC barrier tape on the purlin face to reduce moisture transfer into the felt.

Storage prior to installation

- All anti-condensation lined sheets must be kept completely dry before installation.
- Store packs indoors wherever possible, or under a suitable waterproof cover, raised off the ground with good air circulation.
- Do not leave packs where rain, standing water, or ground moisture can be absorbed into the felt.
- Sheets that become wet in transit or storage must be separated and allowed to dry fully before installation.

Tel: +44 (0)1934 641446

sales@briarwoodproducts.co.uk

www.briarwoodproducts.co.uk

