

DRIPSTOP CONDENSATION CONTROL FLEECE

STEADMANS

A Steadman & Son (usually known as Steadmans) are one of the UK's leading manufacturers of roofing and cladding, supplying high quality cladding materials from our sites in England, Scotland and Northern Ireland.

We offer total cladding and roofing solutions which we deliver with our dedicated haulage fleet.

Steadmans products are manufactured in a process certified to ISO 9001:2008.

CONDENSATION

When warm, moist air within a building comes into contact with cold surfaces there is a risk of condensation as the air cools and is unable to support the same amount of moisture. This commonly occurs on the underside of roofs of single-skin metal sheeting during the winter, but also on clear nights when night sky radiation substantially lowers the temperature of the roof surface.

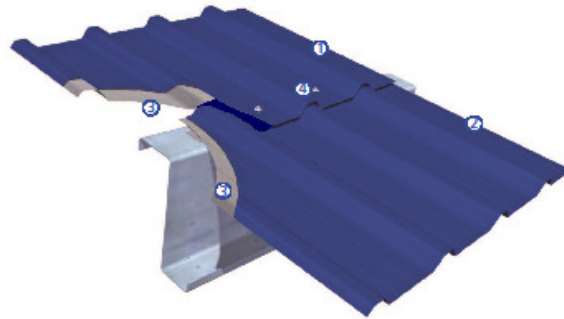
The condensate can run down the roof and collect on or within the building fabric where it will cause rust, rot or damage to fittings, or may drip from the roof.

General guidance on avoiding condensation is provided in Part C of the Building Regulations and in BS5250:2011.

DRIPSTOP CONDENSATION CONTROL

Dripstop is a polyester fleece designed to reduce the risk of damage from dripping or running condensate on un-insulated single skin metal roofs in buildings with moderate to high humidity levels and poor ventilation.

The interlaced fibres of Dripstop slow the formation of condensate by insulating the sheeting and also prevent dripping from the underside of the roof by absorbing and holding condensate until it can evaporate.



- ① Profiled top sheet
- ② Profiled lower sheet
- ③ Dripstop fleece cut back 150mm at end lap.
- ④ Fixing screw (colour co-ordinated cap removed for clarity)

Dripstop is available on Steadmans AS30 profile and is applied to the sheeting during the manufacturing process.

BENEFITS OF DRIPSTOP

- Slows the formation of condensate by insulating the sheeting;
- Prevents condensate dripping from the underside of the roof;
- Holds condensate safely until it evaporates by ventilation.

DESIGN GUIDANCE

Dripstop controls condensation in an environment where it appears cyclically (it can't prevent condensation). For the fleece to work properly the building has to be adequately ventilated to allow the material to dry out between the cycles.

Where the internal environment houses livestock; ventilation requires detailed consideration, contact our Technical dept for advice.

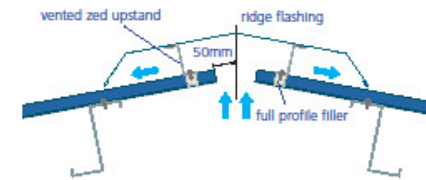
Dripstop is suitable for use on roofs at all pitches. A minimum pitch of 10° is recommended for most effective use of this product; More water can be adsorbed at lower pitches as noted below.

Holding capacity

Slope	Water absorption
0°	850g/m ²
45°	600g/m ²
90°	400g/m ²

Steadmans recommends ventilation openings equivalent to 2.5% of the roof area at the eaves and 5% of the roof area at the ridge. Eave ventilation is usually provided by a spaced cladding such as Yorkshire boarding or by the use of a ventilated sidewall sheet.

At the ridge fit a zed upstand with 160mm x 50mm ventilation openings at 200mm centres. Ridge flashing lap joints should be 150mm long and sealed with 9mm x 3mm NFRC Class A butyl sealant strip.



PROPERTIES

Weight	110g/m ²
Thickness	1.0mm
Colour	White/black mix
Fire classification	A2-s1, do

Dripstop has good resistance to most acids, hydroxides and sulphides and does not support the growth of bacteria or mould.

MAINTENANCE

If necessary, Dripstop can be cleaned by pressure washing with water. To ensure the most efficient product performance it is recommended that Dripstop is washed annually.

INSTALLATION

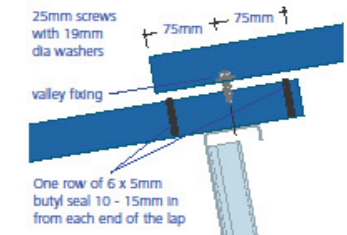
Sheets lined with Steadmans Dripstop condensation control fleece are installed in the same way as standard sheets, namely:-

Seal side laps with 6mm x 5mm NFRC Class A butyl sealant strip and stitch at 450mm centres with 23mm long self drilling screws.



At mid slope sheet junctions form 150mm overlaps and seal with 6mm x 5mm NFRC Class A butyl sealant strip. Steadmans Dripstop sheets are supplied with a 150mm cutback to the fleece to accommodate the lap joint.

Seal overlap joints with two runs of 6mm x 5mm NFRC Class A butyl sealant strip applied 10-15mm from each end of the lap and fixed with 25mm fasteners as shown below.



standard fixing position (3 fixings per metre)



lapped fixing position (5 fixings per metre)



eaves fixing position (4 fixings per metre)



At the eaves Steadmans Dripstop sheets are supplied with 50mm cutback to prevent moisture absorption at the drip edge.