



CondensStop®

APPLICATION & INSTALLATION INSTRUCTIONS

CondensStop

CondensStop is an innovative product designed specifically to prevent problems caused by condensation in buildings and roof systems. The CondensStop fleece prevents dripping and keeps building contents and insulation dry.

Metal roofs do not have the same hygric buffer capacity as wood-based sheathing. CondensStop provides metal roofs with sufficient hygric buffer capacity to absorb, redistribute and re-release significant quantities of condensed moisture when (intermittent) condensation occurs.

CondensStop can be applied prior to rollforming. CondensStop is applied to the under/ topside of all metal roof panel profiles including standing-seam profiles. CondensStop enhanced panels can be used in new and retrofit roofing projects.

Caution

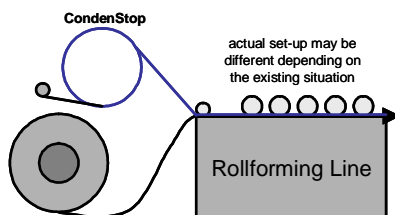
Read and understand all instructions and precautions before applying CondensStop and installing CondensStop enhanced panels.

Storage

Store CondensStop under dry conditions e.g., covered by weather proof sheets or in a warehouse. Stand CondensStop upright i.e. "eye to the sky".

Application to sheet metal

CondensStop can be applied prior to rollforming off-site by the panel manufacturer or on-site by the contractor.

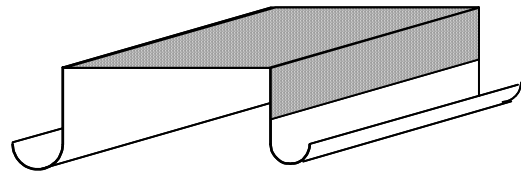


CondensStop should be applied under dry conditions. The sheet metal surface must be clean, smooth and dry before applying. Remove any oil, grease and silicones.

Reservations *could* be made to prevent moisture infiltration caused by capillary action. Reservations must be kept based on the expected lateral overlap between panels after installation.

Vertical cutbacks

In general standing seam panels will need anti-capillary cutbacks on edges to be overlapped. Industrial panels like industrial profiles need, in general, a cutback on just one side.



Making cutbacks during panel manufacturing eliminates the need for on-site resin application. Lateral reservations are made during panel production by choosing the proper CondensStop width i.e. CondensStop-width smaller than the panel-width, and by aligning CondensStop to the middle or to one side of the panel.

Horizontal seams

To avoid capillarity through horizontal seams proper care should be taken to seal horizontal overlaps.

Common methods to seal horizontal seams are appropriate with the exception of sealing tapes between the two panels.

In case no sealing takes place, the panels should overlap at least 15 cm or a cutback of at least 8 cm must be made where panels overlap. This reservation can be made during panel production or on-site by melting or by using a varnish or resin. At all time the interior side should be completely covered with CondenStop (no bare metal visible) to ensure proper its functioning. Cutbacks are common used in North – European countries, in Italy, Greece, India and South of America no Cutback are needed!!!

Handling CondenStop enhanced panels

After applying CondenStop and rollforming the panels it is important to avoid rubbing of the panels and against the roof structure.



Panels can be bundled for storage or transportation as suggested.

Installing CondenStop roof panels

To ensure proper functioning, CondenStop should not be used in climate zones or in buildings where relative humidity approaches saturation for extended periods.

Overhang and gutters

Depending on the slope of the roof and the distance between the panel overhang and the exterior gutter CondenStop should be treated with a varnish or resin. Only in countries with heavy rainfall and clear Autumn and Winter.

In case the roof is sloped and the likelihood of rainwater projection is minimal CondenStop can be used as a draining mechanism. Gravity will transport moisture to the overhang where it will evaporate or drip into the gutter.

Building Components

Components like ridge caps, interior gutters and other parts that are prone to cause condensation problems can be covered with CondenStop too. Application can be done by the manufacturer or contractor.

Cleaning

The use of soft bristle brush is recommended. It is not recommended to use hard brushes as these may damage the fleece.