



CondenStop®

APPLICATION & INSTALLATION INSTRUCTIONS

CondenStop

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

No matter what measure is taken, moisture will always find its way to the roof and into the roof system. CondenStop will help manage that problem and prevent the adverse effects of condensation

CondenStop enhanced panels can be used in new and retrofit roofing projects.

Caution

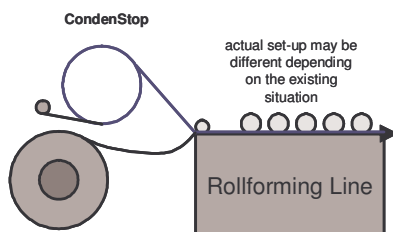
Read and understand all instructions and precautions before applying CondenStop and installing CondenStop enhanced panels.

Storage

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

Application to sheet metal

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



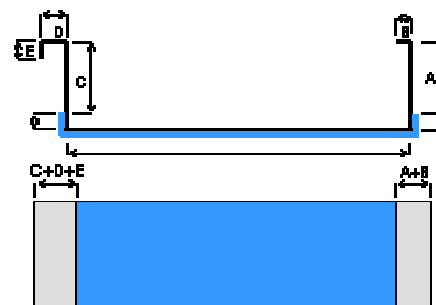
CondenStop should be applied under dry conditions. The sheet metal surface must be clean, smooth and dry before applying. Remove any oil, grease and silicones.

To ensure proper distribution of the adhesive, it is important to apply pressure of just 80 psi with a standard roll bar.

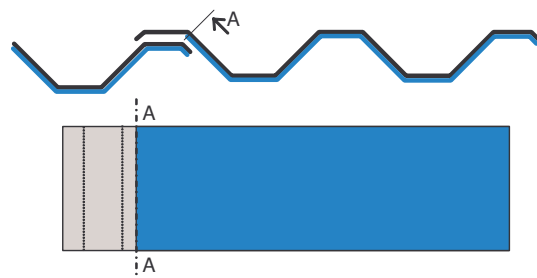
Reservations must be made to prevent moisture infiltration caused by capillary action. Cut-backs must be based on the expected lateral overlap between panels after installation.

Vertical cut-backs

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 or varnish application. Lateral reservations are made during panel production by choosing the proper CondenStop width i.e. CondenStop-width smaller than the panel-width, and by aligning CondenStop to the middle (standing seam) or to one side of the panel (other profiles).



For panels other than Standing Seam the cut-back should be at just one side. Which side is dependent on the prevailing winds and thus the

installation sequence (opposite to the prevailing winds).

Horizontal cut-backs or seals

To avoid capillarity through horizontal (end lap) seams proper care should be taken to seal horizontal overlaps or to create a cut-back.

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 8" or a cutback of at least 2" must be made where panels overlap. This reservation can be made during panel production using an automated system or on-site by using a varnish or resin. At all times the interior side should be completely covered with CondenStop (no bare metal visible) to ensure proper functioning. Automated cut-back systems are available through Lantor CondenStop.

Handling CondenStop enhanced panels

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



Panels can be bundled for storage or transportation as suggested above.

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.

Horizontal seams

If horizontal seams are not going to be sealed, cutbacks should be made or an, at least, 8" overlap should be created to prevent problems due to capillary action. The use of sealant tapes between the two panels is not sufficient.

CondenStop free ends can be created by applying a clear varnish or resin to saturate and fix the fleece. The cutback or varnish should cover at least 2" over the full width of the overlapping panel.

Overhang and gutters

Depending on the slope of the roof and the distance between the panel overhang and the exterior gutter CondenStop should be cut back or treated with a varnish or resin.

If and when rainwater projection is likely, the cut-back, varnish or resin must be created or applied up to the panel's fastening point to prevent projected rainwater to infiltrate the roof system.

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.

Repairs

Damage to CondenStop can be repaired using the CondenStop maintenance kit.

Cleaning & Disinfecting

For best results, special precautions should be taken when cleaning and disinfecting CondenStop enhanced panels.

The use of a soft bristle brush is recommended as hard brushes as may damage the fleece. When cleaning or disinfecting with fluids, a low pressure spray-on method must be used.

Use the services of a professional cleaning company and test methods and agents on a small surface first before continuing.

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