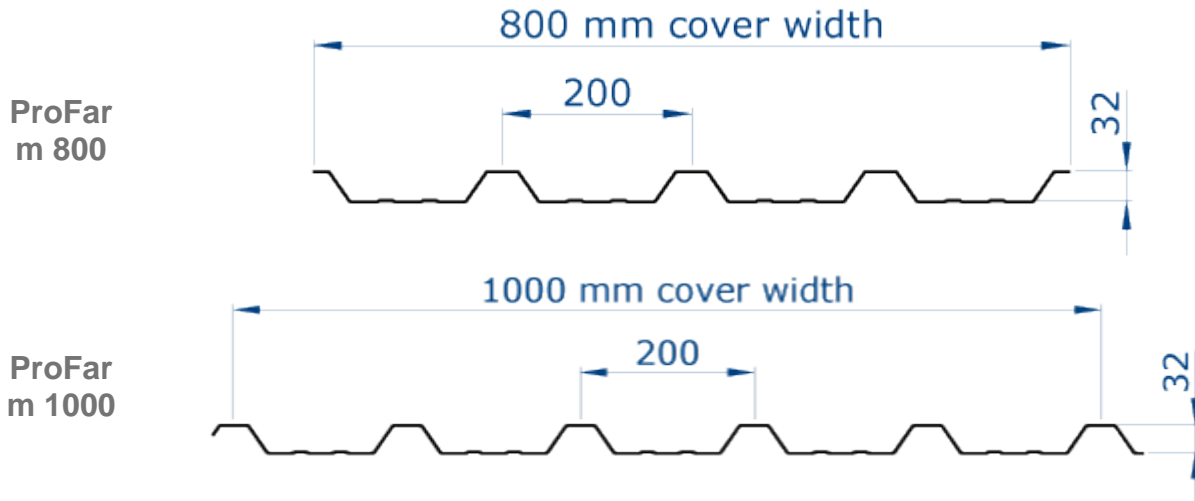




ProFarm Product Overview

Box profile sheeting available in both 800 and 1000 cover widths and specifically developed to cope with the corrosive environment experienced in livestock housing.



Applications

Roof and wall applications in livestock housing.

Colours

Slate Grey
Juniper Green
Turf Brown



Available Lengths

Standard lengths: 1 – 15 m

Non-standard lengths: Additional costs may apply for non-standard lengths

Thickness

Profarm is available in the following thicknesses:

Cover Width	1000	800
Thickness (mm)	0.55	0.55, 0.7

Material

Substrate: S220GD+Z275 to EN 10346:2009

Coating:	Underside: 35um Primer/Polyester
	Weather side: 25um Primer/Polyester



DPC Barrier

A DPC barrier must separate Profarm when fixed to wet, green or treated timber purlins to prevent deterioration.

Packing and delivery

All deliveries, unless indicated otherwise, are by road transport with packaging to suit land delivery. As a general guide pack sizes are limited to two tonnes and the entire pack is wrapped in polythene. Offloading is the responsibility of the client.

Storage & Handling

Water ingress between sheets will have a negative effect on the performance of the sheet. Wrapping is only a temporary protection for transport purposes and is not suitable for outdoor storage.

Quality

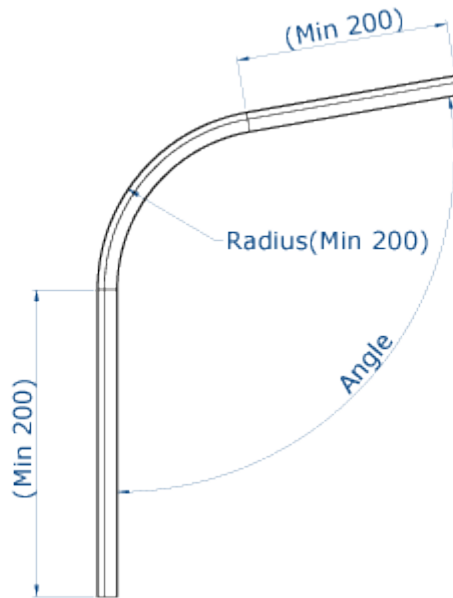




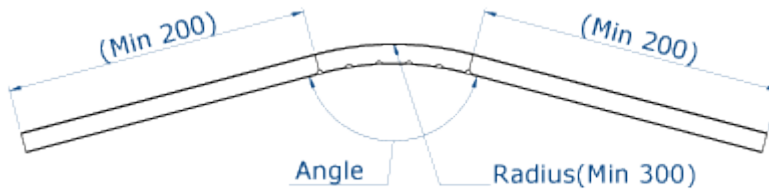
1000-32 Crimping Overview

Cranked ridge and eaves can be produced from Profarm, Procolor and Proclad. Both the 1000 and 800mm cover widths can be cranked. Typical profiles are illustrated below.

Cranked Eaves



Cranked Ridge



The minimum values indicated above are for indicative purposes only and in practice will be determined by factors such as geometry and material thickness. Check with us before detailing/ordering for job specific information.

Stocked Cranks

Cranked Ridges to suit a 15° roof pitch are available ex stock as follows:

Stock Length (mm)	1220	
Cover Width (mm)	1000	
Material	ProFarm	
Colours	Slate Grey Juniper Green	



NonDrip Condensation Control Overview

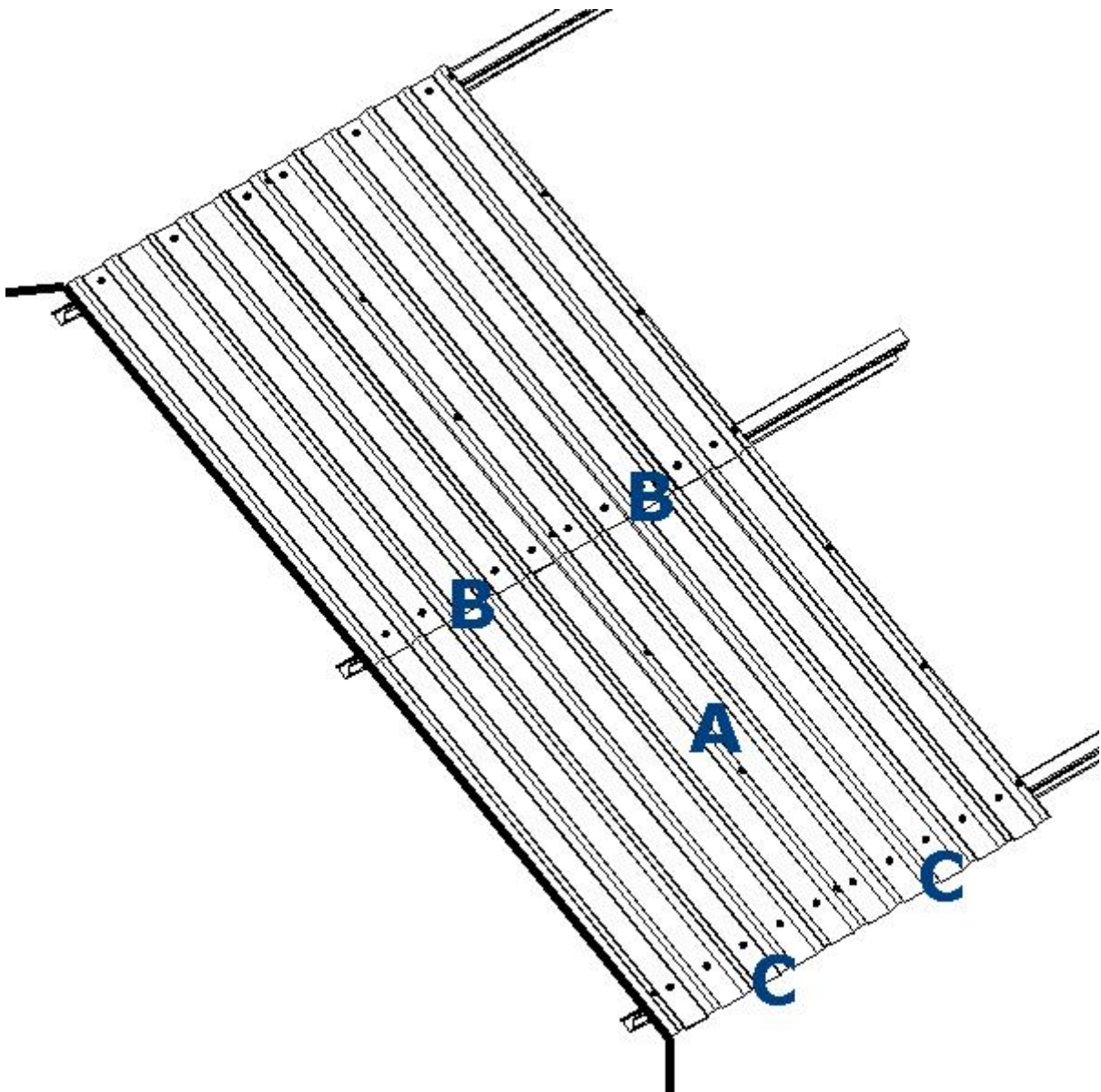
NonDrip condensation control membrane is specially designed to help control condensation and prevent dripping in non-insulated metal buildings. It can be applied on our range of 14/3 corrugated or 1000/32 box profile sheeting.

Application

NonDrip membrane can help control condensation in an environment where the condensation appears cyclically. In order to work it needs to get dry in between cycles so it should not be used in buildings where relative humidity approaches saturation for extended periods. To facilitate drying adequate ventilation is necessary. Without proper ventilation the risk occurs of the build-up of moisture and droplet formation.

Installation

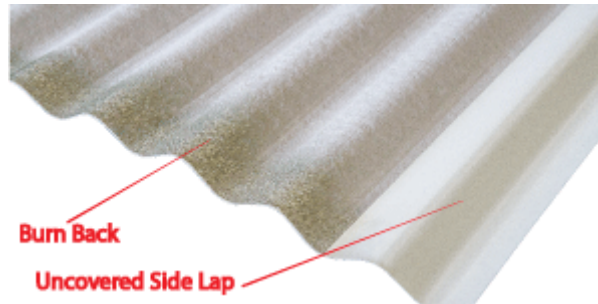
Care must be taken to avoid penetration of rainwater due to capillarity through the side or end laps. The following should be observed during installation:





Vertical overlaps (A)

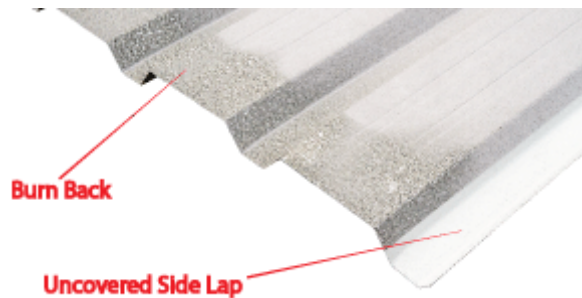
All profiled sheeting with NonDrip is supplied with the vertical side lap left uncovered. The capillary effects in the lateral direction (A) can be prevented by installing sheeting so the interior side is completely covered with NonDrip membrane (no bare metal visible).



End laps at (B) and (C)

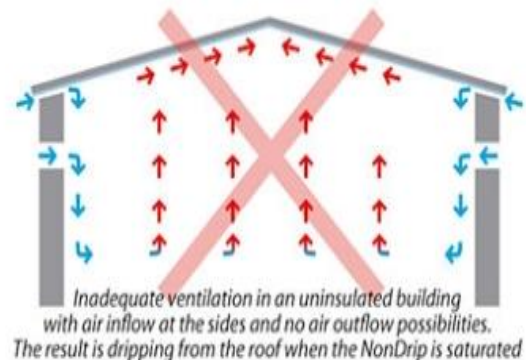
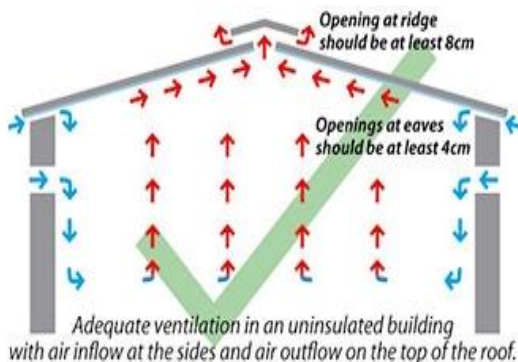
Sheeting is supplied with the NonDrip membrane flame sealed (burn back) at one end. To avoid penetration of rainwater due to capillarity through horizontal overlaps B and C the following should be observed:

- The burn back should be at the downslope end of the sheet.
- The overhang of the eave above the gutter should be at least 15 cm to avoid rain water penetrating into the building. This part of the roof is permanently ventilated in the outside air.



Ventilation

Key to the working of NonDrip™ is sufficient ventilation within the building envelope, to allow it to dry. The air flow movement and temperature within the building structure, will determine how quickly the NonDrip™ membrane will return to its original dry state. The build up of condensation can be reduced in the first place by the use of natural ventilation provided by eave, ridge and wall openings.





Absorption capacity

The water absorbency rates listed below were found from laboratory testing. As the roof pitch increases the absorption decreases under the influence of gravity.

Absorption & Drying Properties

Absorption at roof pitch	Unit	Value	Conditions
Absorption at 0 degree*	g/m ²	1037	100%RH, ΔT:17°C
Absorption at 10 degreeg/m ²	g/m ²	716	100%RH, ΔT:17°C
Absorption at 30 degree	g/m ²	538	100%RH, ΔT:17°C
Absorption at 45 degree**	g/m ²	394	100%RH, ΔT:17°C
Drying speed***	g/m ² /h	80	50%RH, 23°C

*With the sheet laid flat, and the relative humidity within the building at 100%, and the temperature on the inside of the building 17°C higher than the outside temperature, 1037 g/m² water was absorbed by NonDrip before it started to drip.

**This is an average time to drip for a roof pitch of 20 degrees given the relative humidity within the building at 100%, internal temperature of 40 degrees and the temperature on the inside of the building 17°C higher than the outside temperature. If the roof pitch is increased the time to drip will be somewhat shorter while lower angles will exceed 6 hours.

***With the relative humidity within the building at 50%, and the temperature on the inside of the building at 23°C, the drying speed was 80 g/m²/h.

Clearlights

Due to the risk of droplet formation on the underside of the light, clearlights are not recommended on a roof with NonDrip.



Purlins

All prepainted metal sheets, including those with NonDrip, should be separated from wet, green or treated timber purlins by a DPC strip.

Corrosion resistance

NonDrip™ does not negatively impact the corrosion resistance of the sheeting to which it is



applied. The value of any guarantee supplied with sheeting will not be affected when NonDrip is used.

Chemical resistance

NonDrip should not be exposed to any solvents. Special care should be taken when using disinfectants. The disinfectant to be used should be tested on a small area to verify its effect. High pressures or hard brushes should not be used on the NonDrip membrane.

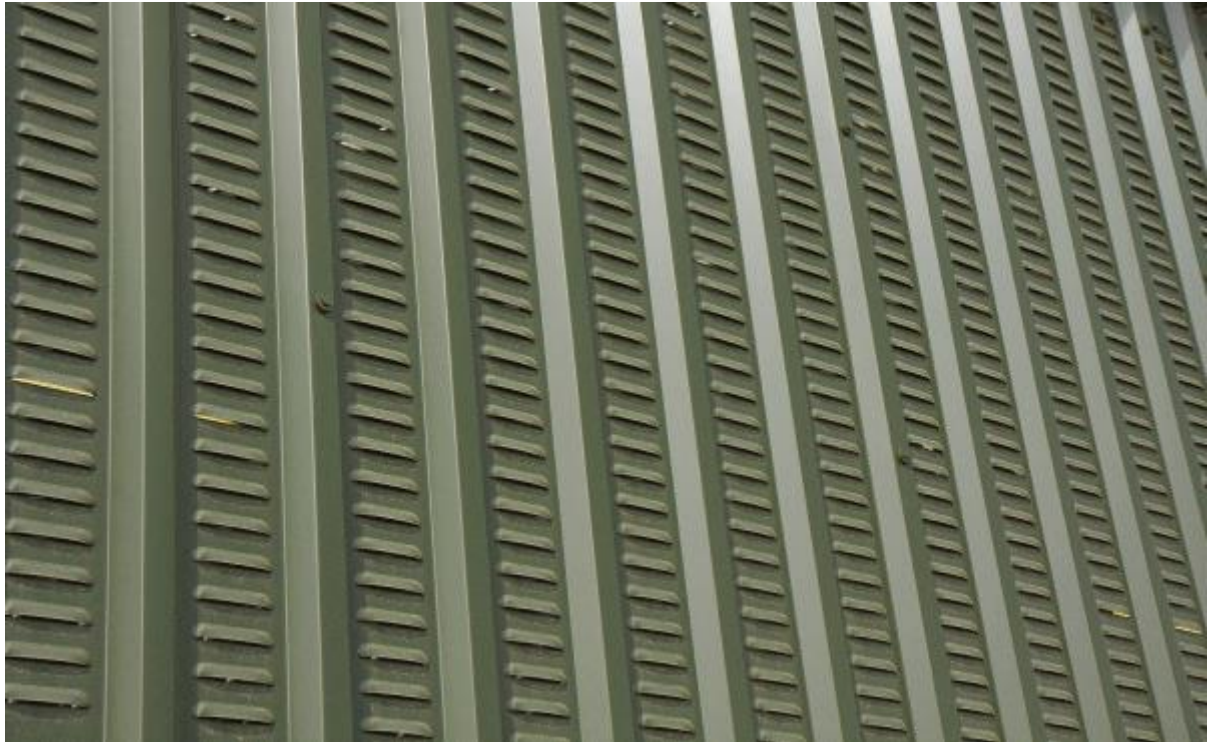
Installation precautions

To prevent damage to the NonDrip™ membrane, avoid rubbing the sheets together or against the roof structure.



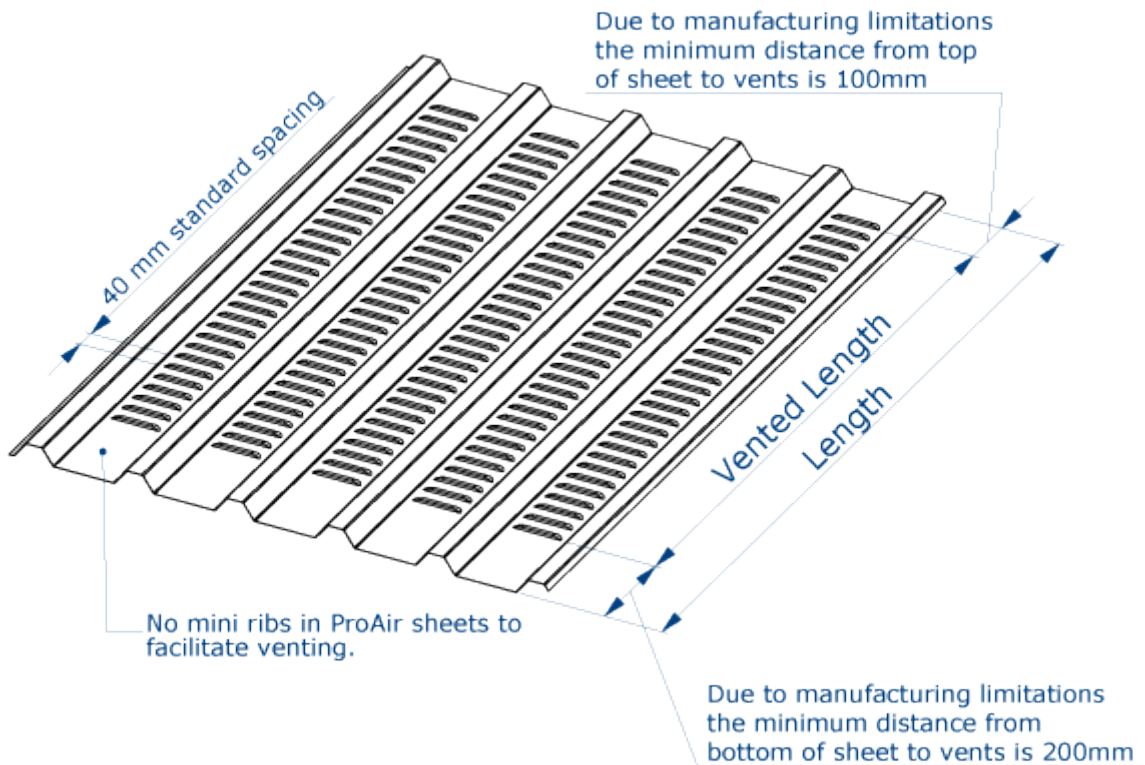
Vented 1000/32 Profiled Sheets Overview

Ventilation louvres can be applied to Profarm, Procolor and Proclad to allow airflow. Both the 1000 mm and 800 mm cover widths can be vented.



Manufacturing Details

The diagram below illustrates some of the capabilities and limitations in relation to venting.





Standard Vented Area

Unless indicated otherwise at time of order the maximum possible area of the sheet will be ventilated, i.e. venting will start 100 mm from top and extend to 200 mm from bottom with vents spaced at 40 mm.

Available Lengths

Maximum length: 6 m

Minimum length: 610 mm

Ventilated sheets are available ex stock in ProFarm only as indicated below:

Sheeting type	Cover width (mm)	Colour	Thickness (mm)	Stocked lengths
Profarm	1000	Juniper Green Slate Grey	0.55	1.219 m (4') 1.524 m (5') 1.676 m (5.5') 1.829 m (6') 2.134 m (7') 2.438 m (8')

DPC Barrier

To prevent corrosion a DPC barrier must be used when steel cladding is fixed to wet, green or treated timber purlins.

Packing, delivery and storage

All deliveries, unless indicated otherwise, are by road transport with packaging to suit land delivery. As a general guide pack sizes are limited to two tonnes and the entire pack is wrapped in polythene. Offloading is the responsibility of the client. Water ingress between sheets will have a negative effect on the performance of the sheet. Wrapping is only a temporary protection for transport purposes and is not suitable for outdoor storage.

CE marking

ProAir is CE compliant to EN14782:2006.