

# AGRI-STEEL SYSTEM

Manufacturers of Cladding Products for the Construction Industry

PRE-FINISHED STEEL FOR FARM BUILDINGS



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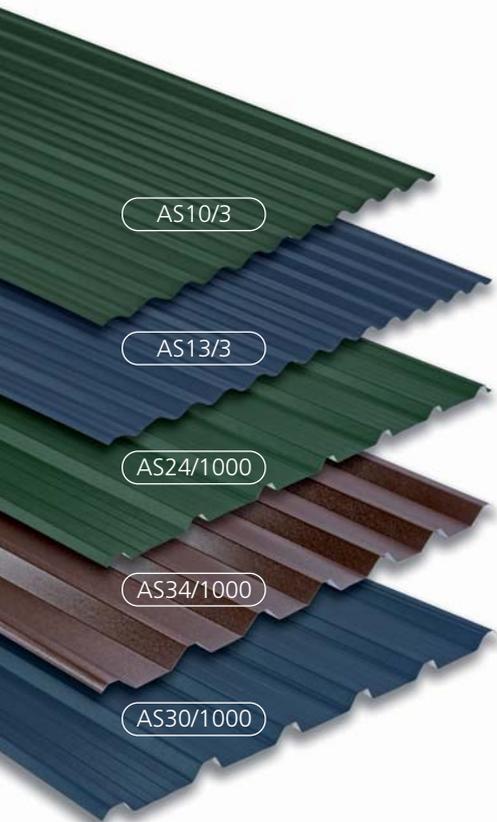
## PRE-FINISHED STEEL FOR FARM BUILDINGS

### AGRI-STEEL SYSTEM

Steadmans Agri-steel™ system consists of coated steel sheets rolled to five different profiles for single skin roofing (down to 4° pitch) and walls. Agri-steel has been designed specifically for un-insulated agricultural buildings.

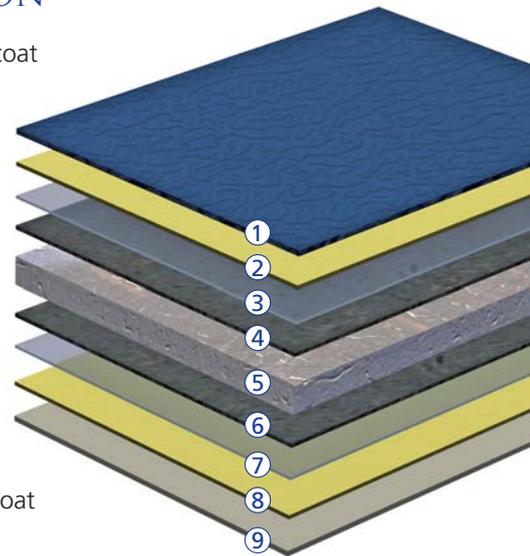
Agri-steel includes 8 layers of protection to the steel substrate including a 35 micron protective coating to both sides of the material - giving it excellent corrosion resistance and making it suitable for buildings which include aggressive, high humidity conditions.

Agri-steel provides excellent levels of resistance against many chemicals found in agricultural environments. It is available in 3 rural and environmentally friendly colours and is the perfect, cost effective alternative to profiled fibre cement material.



### 9-PART CONSTRUCTION

- ① Flexible, co-polymer outer Topcoat
- ② High-build Primer
- ③ Chemical Pre-treatment
- ④ Zinc Coating
- ⑤ Substrate
- ⑥ Zinc Coating
- ⑦ Chemical Pre-treatment
- ⑧ High-build Primer
- ⑨ Flexible, co-polymer inner Topcoat



### BENEFITS

- Double sided 35 micron coating for protective performance inside and out
- 275g/m<sup>2</sup> zinc coating for greater corrosion resistance
- 8 layers of protection
- Variety of profile options
- Choice of rurally suited colours
- Suitable for high-humidity applications including livestock housing
- Ideal alternative to fibre cement
- Performance warranty up to 15 years



## MAINTENANCE

## PERFORMANCE

Agri-steel is carefully manufactured in a controlled process to ensure consistent quality. It has been developed as an effective cladding material for agricultural buildings and is guaranteed to give 15 years functional performance, providing buildings are well designed and ventilated. Agri-steel sheets are unaffected by mould, fungi and mildew and do not support vermin.

Agri-steel is constantly laboratory-tested in accredited laboratories to measure its performance against corrosion, effect of sunlight, chemicals and abrasion. Agri-steel, like all our steel cladding, is manufactured in a process certified to ISO 9001:2008 and the substrate complies with BS EN 10346:2009.

Performance data and load span tables for all the Agri-steel profiles are available from Steadmans or via our website - [www.steadmans.co.uk](http://www.steadmans.co.uk).

Property	Data	Test
Gloss (60°)	30 - 40%	EN13523-2
Resistance to rapid deformation	16J	EN13523-5
Adhesion after indentation (7.5mm)	100%	EN13523-6
T bend (no cracking) diameter	4T @ 16°C	EN13523-7
Scratch resistance	> 3000g	EN13523-12
Abrasion resistance	< 15mg	EN13253-16
Corrosion Resistance		
Salt Spray (hours)	1000	EN13253-8
Humidity (hours)	1000	EN13253-25
Max. continuous operating temp.	100°C	Mill
Min. forming temp.	16°C	Mill

The figures contained in this table are typical properties and do not constitute a specification. These figures relate to the topcoat and solid colours.

## COLOURS

Agri-steel is available in 3 standard colours - see below. Special colours may also be available, contact Steadmans for more details.



Slate Blue

18B29



Juniper Green

12B29



Vandyke Brown

08B29

The colours include the nearest British Standard reference for guidance only as the colours vary slightly from British Standard and are for guidance only - specification should be made from an actual sample, available from Steadmans.

Although Agri-steel is generally maintenance-free, appropriate maintenance will considerably extend the overall life of the sheeting. We recommend:

- separate treated timber purlins from the cladding sheets by using a DPC type material;
- the bottom edge of wall sheeting be kept out of continuous contact with damp materials;
- prolonged direct contact with aggressive chemicals (e.g. slurry) be avoided;
- if the coating is damaged, and the substrate is visible, touch-up paint should be applied to the exposed metal only;
- when the buildings are in a coastal location, the cut edges should be coated with touch up paint;
- areas of sheeting which are not washed by rain water (e.g. under eaves) be washed regularly to prevent the accumulation of salts.

## SUPPLY AND DELIVERY

The Agri-steel system is available directly from Steadmans. Sheets are supplied in plastic wrapped packs. Fully timber crated packs are available for sea freight shipping at additional cost.

Agri-steel sheets are usually delivered to site. Off loading is the responsibility of the customer. Delivery by self-off-load vehicles can be arranged.

A. Steadman & Son

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## **ENVIRONMENTAL CREDENTIALS**

We recognise the need to manage the impact which our business and processes have on the environment. We believe we have a responsibility to contribute to the well-being of the communities we live in. We are committed to providing a clean, safe environment.

Developing sustainable construction methods presents a challenge to the whole construction industry. Our main raw material, steel, is eminently recyclable: 85 - 90% of steel from demolition goes for re-use and 40% of steel used in new construction has been recycled.

By using modern machinery and upgrading our facilities we are continually reducing the impact of our products on the environment, and improving their contribution to the long-term performance of buildings.

[www.steadmans.co.uk](http://www.steadmans.co.uk)

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