

Metal Roofing

Tegral
Agribild®*plus*



Metal Sheeting for Agricultural Buildings

With related products - ColorGalv & ConDri



They're your stock - We've got them covered - Guaranteed

Agribild[®]plus

Tegral Building Products Ltd.

Founded in 1936, Tegral Building Products is one of Ireland's longest established suppliers of roofing materials and throughout this time has made a significant contribution to the Irish building industry.

From its manufacturing base in Athy, Co. Kildare, Tegral supplies the widest and most diverse range of quality products for the building envelope through its fibrecement processing and metal forming operations. Tegral's comprehensive product range is designed to suit most applications in modern commercial, industrial and agricultural construction. Tegral supplies only quality products and offer industry leading levels of technical support and customer service.

AgribildPlus Metal Sheeting

AgribildPlus Metal Sheeting is one of Ireland's most popular metal roofing and cladding products for animal housing and farm buildings. **AgribildPlus** comes with an advanced protective coating that offers **excellent corrosion** and **scratch resistance**. **AgribildPlus** is available in three profiles with two traditional colours to choose from. **Vented cladding sheets** are also available for condensation control.

Farmers can take comfort in the fact that AgribildPlus is backed by one of the **longest guarantees for metal roofing and claddings on the Irish market**. **AgribildPlus** is ideally suited for use on animal housing and other high-humidity buildings (Excludes poultry and pig housing for which Tegral can supply aluminium sheeting). AgribildPlus is 100% recyclable, uses a minimum volume of material and offers clean, dust free construction with minimum site waste. End of life options include re-use and recycling.



Features & Benefits of Agribild®plus



The Tegral Guarantee

Tegral is a Guaranteed Irish manufacturer and all of its products are manufactured to the highest international standards. Manufacturing in Athy meets with the stringent requirements of the ISO 9001 Quality Management System and the Environmental Management System is certified to the Environmental Standard ISO 14001. AgribildPlus comes with the best guarantee on the Irish market - 20 years. When used in roofing and/or cladding for a farm building, AgribildPlus is guaranteed by Tegral for 20 years from date of erection as an effective weatherproof membrane, against functional failure due to corrosion in accordance with the terms and conditions detailed in the guarantee document.

Unique Colour Range

Colour can be used to bring a new sense of vitality to the farmyard, it can compliment existing buildings and site surroundings and it is also used to blend into the surrounding rural landscape. Agribild Plus comes in 2 unique colours designed to suit the Irish rural landscape and will enhance any farmyard.



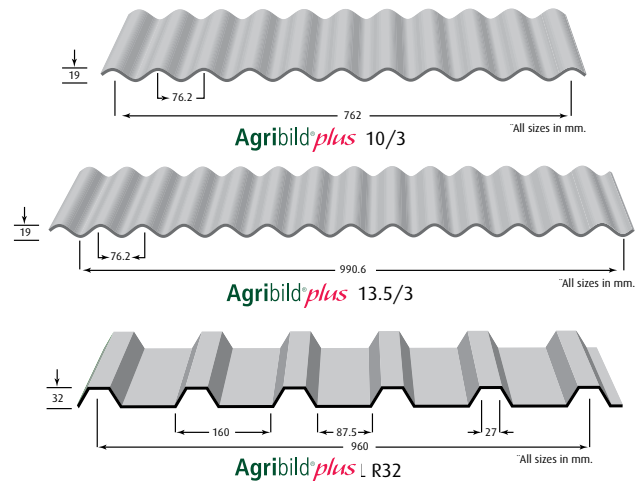
Curragh Green®



Kilkea Grey®

Selection of Distinctive Profiles

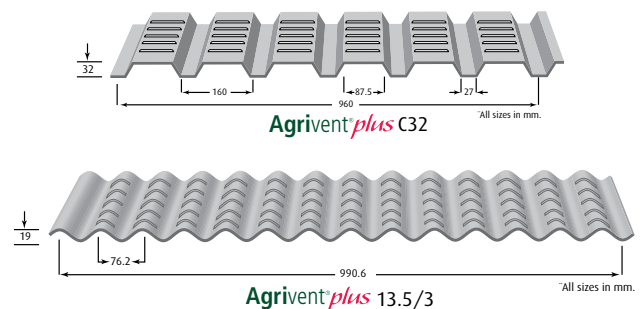
AgribildPlus is available in both traditional (corrugated) sinusoidal profile and the box-like profile known as trapezoidal. The two key criteria for deciding on which profile to use are cover-width and aesthetics. The sinusoidal profile from Tegral is available in two widths: 10/3 (762mm cover width) ideal for spaced roofing and curved roofing 13.5/3 (990mm cover width) for maximum build efficiency. The trapezoidal profile is available in 960mm cover width which provides excellent build efficiency and provides clean, sharp profile lines.



Condensation Control

Condensation occurs when humid air inside a building comes into contact with a cold internal surface such as the internal face of an un-insulated profiled metal roof. The cooled air releases its water vapour in the form of condensation. The amount of condensation formed can depend on the building usage, the amount of natural or other ventilation and roof slope. Condensation can be reduced by the use of natural ventilation provided by eave, ridge and wall openings. Tegral Agrivent®Plus ventilated sheeting is ideally suited to help control condensation by providing optimum airflow without loss of structural integrity. Tegral Agrivent®Plus is available in two profiles. Further condensation control can be achieved by combining Agrivent®Plus products with ConDri® material on the roof.

For spaced version of Agrivent plus C32, please specify 'AgriventPlus C32 spaced'.



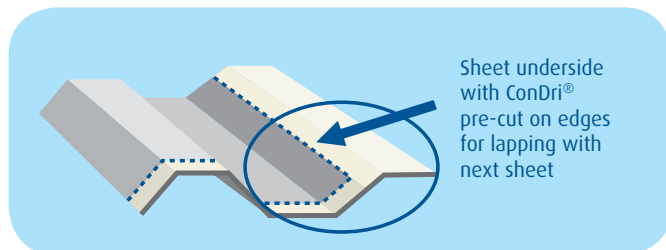
Related Products and Accessories

ConDri®

ConDri® anti-condensation film is an industrial non-woven textile product that is applied to the underside of the roofing sheet. ConDri provides up to 1 Litre/m² absorption capacity which is the best available on the Irish market.

Key features and benefits:

- Supplied Ready-to-Fit: **Tegral ConDri®** is supplied with an anti-capillary cutback on edges to be lapped which eliminates the need for on-site resin application and reduces labour costs **by up to 50%.**



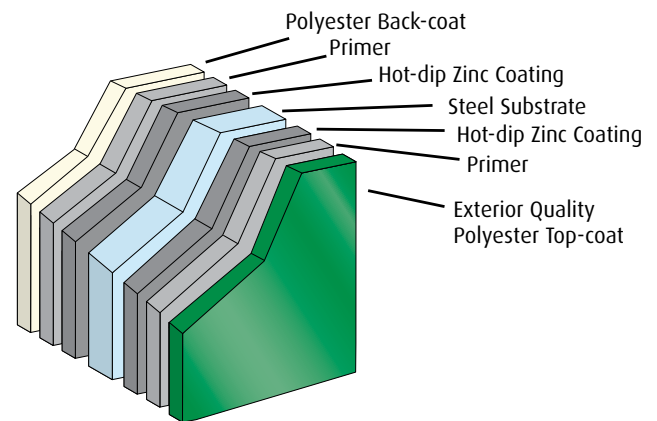
- Reduces condensation, thus benefiting -
- Animal health in indoor environment - reduced veterinary costs*
 - Grain store/potato/bulb storage/plant rooms - reduced spoilage
 - Workshop/garages/canopies - better working environment - health benefits
 - Warehousing/equipment - reduced spoilage of goods stored (*It is not recommended for bovine housing or animal housing that requires powerhosing)
 - Riding Schools/indoor arenas - Drier and more appealing internal surface areas.
- Acoustic properties - absorbs noise from interior and exterior (rain noise)
- Grant approved by Department of Agriculture
- Does not support fungus growth
- Fire Performance: Tested to NEN-EN-ISO 11925-2:2002/NEN EN 13823:2002 and received best rating B-s1, d0 for this type of product.
- Easy maintenance: can be brushed with soft bristle brush.

Colorgalv®

Colorgalv® is Tegral's low cost roofing and cladding product for low-humidity farm buildings used for non-animal applications such as general storage, grain storage etc.

Colorgalv® is protected by a zinc coating, a double layer of primer plus polyester coatings and is offered in two profiles and two colours.

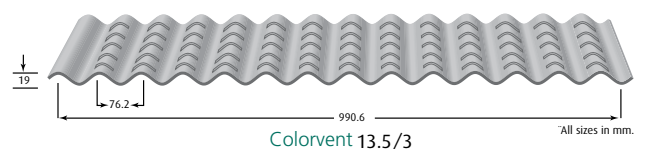
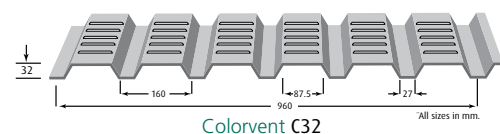
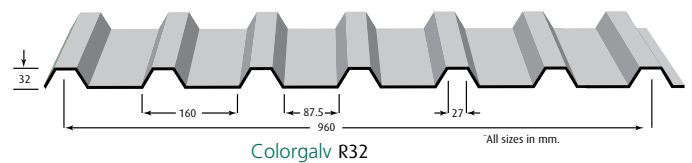
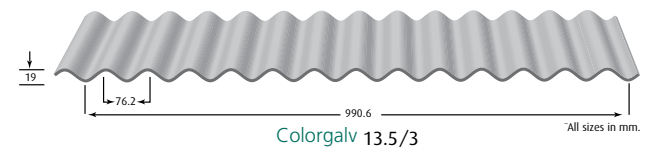
Colorvent® vented sheeting is also available.



Coolmine Grey



Woodstock Green

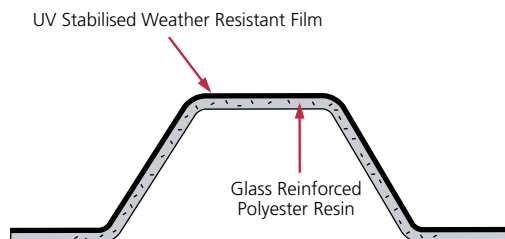


Teglites™ Rooflighting Range

Tegral offers a comprehensive range of translucent profiled sheets (rooflights) called Teglites™.

All Teglite™ translucent sheets are made to suit Tegral profiles. Teglites™ are made from long-lasting durable glass fibre reinforced polyester (GRP) and are available in three different weights for various applications, 3.05kg per sq. metre (single skin), 1.8kg per sq. metre (double skin) and 2.4kg per sq. metre (liner sheets). Teglites™ are available in fire classification ratings to suit industrial and agricultural applications.

Note: Use of Teglites™ is regulated and must adhere to the non-fragility requirements of the Health & Safety Authority of Ireland.



- Comprehensive Range Available to Suit all Profiles
- Product Life Expectancy for up to 20 years
- Full Technical Service Support Offered
- Diffused Light evenly Spread and Minimises Shadows

Flashings

Tegral can supply a full range of accessories to compliment any choice of AgribildPlus roofing and cladding.

Filler Blocks

Sheet corrugations may be closed at ridge or eaves by use of profiled filler blocks which are available from Tegral.



Zeta Purlins

Tegral offers an extensive range of galvanised steel purlin systems. Tegral Zeta Purlins and Cladding Rails are recognised as the most economically designed systems, and are suitable for all kinds of applications.

Zeta I

Sleeved, Double Span, Heavy
End Bay, Double Span HEB, Butted

Zeta II

Sleeved, Heavy End Bay, Butted

Zed Section

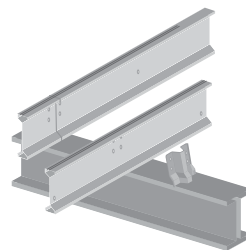
Sleeved, Heavy End Bay, Butted

Ancillary Sections

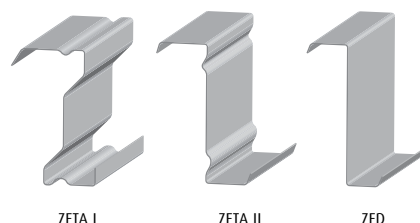
Eaves Beams, Panel Joint Rails,
Top Hat Sections, C.Sections, etc.

Note: Galvanised Purlins must be coated prior to use in aggressive environments such as Animal Housing interiors

Connection Detail



Sections



ZETA I

ZETA II

ZED

Ancillary Sections



EAVES BEAMS

'C' SECTIONS

Technical Guidelines

Cladding and roofing sheets should be separated from timber purlins by using a D.P.C. type barrier. Avoid prolonged direct sheet contact with aggressive chemicals such as silage, slurry, fertilisers, etc. If the coating of Tegral is damaged and the metal substrate is visible, apply touch-up paint to the exposed metal by "artist" brush method.

Buildings that are subject to the accumulation of salt spray need special treatment, particularly those less than 2km from the sea, where all cut edges of exposed AgribildPlus roofing sheets should be coated with touch-up paint. In addition those areas of sheeting not exposed to the washing activity of rainwater (e.g. under eaves), should be washed regularly with fresh water to prevent the accumulation of salt spray. In extreme marine conditions AgribildPlus may not be recommended. Avoid sheet contact with water run-off from copper, lead and related alloys. AgribildPlus should be cut with snips – avoid the use of disc grinders. Remove drilling swarf generated during fixing immediately.

To ensure that you get the most from Tegral we list below some basic recommendations for handling materials and fixing on site.

DO NOT leave uncovered sheets lying in the open. Store under cover and away from open doorways.

DO NOT leave the sheets unprotected when hoisting onto a roof. Use ropes not chains.

DO NOT store sheets where people will walk on them. Always use crawling boards when laying and fixing sheets.

DO NOT drag sheets off a pile. Remove them by turning them off the stack.

DO NOT use a cutter or angle grinder as these only burn the coating but leave diminished galvanised protection for the steel, and rust will follow very quickly. Instead always use a hand shears or mechanical nibbler. Always remove drilling swarf immediately.



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Be Proud of What You Build