

## AN ROINN TALMHAÍOCHTA, BIA AGUS MARA DEPARTMENT OF AGRICULTURE, FOOD AND THE MARINE

### Minimum Standards for Roof Cladding and Side Cladding

**Note:** This specification applies to every building grant-aided by the A.E.S. No Grant will be paid unless an appropriate sheet from the list below is installed in accordance with manufacturer's instructions.

The Department operates a **NO STAMP: NO GRANT** policy. Every sheet of cladding material must have an **identifiable indelible stamp**.

**N.B.** Unpainted galvanised steel and aluminium - zinc coated sheets are **NOT** accepted for grant-aid.

(Note that unstamped proprietary double-skin insulated panels are accepted for cladding of produce houses, dairies, milking premises. Unstamped ceiling panels are accepted in dairies/milking premises if they conform to S106 (cl.7.7), or S103 (cl.9.9); unstamped single-sheet side cladding is allowed in produce houses, if of the same quality as the double-skin roof cladding.)

#### **FIBRE-CEMENT CLADDING**

**Reinforced corrugated fibre-cement sheets [EN 494] to a non-fragile rating of CLASS C.** Cladding Sheets shall be handled, stored, cut, laid and fixed in strict accordance with manufacturer's instructions.

BEFAB CEMBRIT CEMSIX  
BRIARWOOD EURO SIX  
CAPCO ROOFING CEMBRIT PROFILE 76  
CEMBRIT CEMSIX  
STEADMANS P6R  
SVK NEPTUNUS profile 76  
TEGRAL PROFILE 6R [underside stamp = X EBM]  
TEGRAL P6R NT [Stamp=C1X day/month/year Z]  
TEGRAL PROFILE 76

All fibre cement sheeting is to be supplied with a certificate of manufacture, that includes invoice no., applicant's name and address, contractor, product type, length of sheets, no of each sheet and delivery date. This certificate must be set out as agreed between the supplier of the sheets and the Department of Agriculture, Fisheries and Food.

#### **VENTILATED METAL CLADDING**

**Proprietary pre-painted ventilated metal sheets for side-cladding; fitted in continuous strip, both sides of house, Min. Depth 1.5m. Sheets listed below are accepted for all widths of houses: for houses wider than 15m, a sheet with a high airflow is recommended.**

AGRIVENT plus/Tegral/Corus/ 0.6mm	Tegral
BEFAB GRANTVENT C 0.55 SSAB (also 0.7)	BEFAB Ltd.
BEFAB GRANTVENT C 0.55 EUROSTEEL (also 0.7)	BEFAB Ltd.
DG VENT-AIR AP - CG/0.55mm	DG Roofing
DG VENT-AIR AP - DP/0.55mm	DG Roofing
DG VENT-AIR AP - CC/0.55mm	DG Roofing
EUROCLAD/AGRICLAD - TATA/0.55mm [also 0.6mm] Vented	EUROCLAD
Newell Roofing Products Supervent 350 SSAB 0.55 ISO9001:2000 Approved	Newell Roofing Products
Newell Roofing Products Supervent 350 Corus 0.55 ISO9001:2000 Approved	Newell Roofing Products
PROAIR 800/32 0.55mm A.R./DPSSC [also 1000/32]	Duggan Profiles
PROAIR 800/32 0.55mm C.S./DPSSC [also 1000/32]	Duggan Profiles
SKYCLAD/SKYFARM-CG-0.55/0.6 VENTED	Skyclad
A STEADMAN & SON AS24 0.6 CFGA	A Steadman & Son Ltd
ROLLSPAN / 0.55mm / AGROCLAD	Wilson Steel

## **NON-FRAGILE ROOFLIGHTS**

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Rooflight sheets to a non-fragility rating of CLASS B. (Note that there is no current agreed stamping system for all rooflights, but it is intended to introduce such a system as soon as possible)

<b>TRILITE SUPERLIFE 3kg/m<sup>2</sup></b>	<b>Brett Martin</b>
<b>MARLON CS / LONGLIFE / 1.2mm</b>	<b>Brett Martin</b>
<b>PROLIGHT 1000/32 1.3mm BM/DPSSC</b>	<b>Duggan Profiles</b>
<b>AGRILIGHT 10/3 1.3mm BM/DPSSC</b>	<b>Duggan Profiles</b>
<b>AGRILIGHT 14/3 1.3mm BM/DPSSC</b>	<b>Duggan Profiles</b>
<b>COLITE 10/3</b>	<b>CFP Ltd.</b>
<b>COLITE SR35</b>	<b>CFP Ltd.</b>
<b>COLITE Ribbed 32</b>	<b>CFP Ltd.</b>
<b>10/3 Toughlite (also 14/3 Toughlite) ONDEX</b>	<b>Blarney Trading</b>
<b>Big 6 Toughlite ONDEX</b>	<b>Blarney Trading</b>
<b>Greca Profile (Box) ONDEX</b>	<b>Blarney Trading</b>
<b>LINCO 3kg/m<sup>3</sup></b>	<b>LINCO</b>
<b>AKRALUX / 6mm overall [Twin wall polycarbonate](Akraplast s.r.l.)</b>	<b>LINCO</b>
<b>PLASTOLUX 3kg/ m<sup>2</sup></b>	<b>LINCO</b>
<b>MODEK 3kg/m<sup>2</sup></b>	<b>MODEK</b>
<b>FIBRALAM 3kg/m<sup>2</sup></b>	<b>POLSER</b>
<b>Onduclair 1.3 PVC</b>	<b>Onduclair</b>
<b>Onduclair GRP 3.0Kg/m<sup>2</sup></b>	<b>Onduclair</b>

**Note: Please ensure that purlin spacings for rooflights do not exceed those specified by the manufacturers. Also note that not all rooflights have the same spanning capabilities as metal roof cladding and fibre cement sheets.**

## **METAL PURLINS**

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All metal purlins shall be spaced and installed as per manufacturers instructions. All fixings for metal purlins shall be as recommended by their respective manufacturers. For non-S102 listed metal purlins, protection shall be as per System I or II in the Departments specification S101 under section B3, "Protection of Structural Steel".

<b>AGRIPURLIN 1.5MM AM/DPSSC</b>	<b>Duggan Profiles</b>
<b>AGRIPURLIN 2.0MM AM/DPSSC</b>	<b>Duggan Profiles</b>

**METAL CLADDING**

**Note: All prepainted metal sheets (even those with a non-drip coating) shall be separated from timber purlins (etc.) by D.P.C. strip, the width of purlin, fixed by flat-head galvanised nails (B11.1, S.101).**

**Only the types of purlins that are listed may be used with the given roof cladding. Purlins shall be spaced according to that allowed in the table, and sheets shall be affixed with the stated fasteners. The use of purlin spacings and types outside those listed or different fixings could cause the roof assembly to become fragile.**

**Cladding Sheets shall be handled, stored, cut, laid and fixed in strict accordance with manufacturer's instructions.**

**The fixing of all roof assemblies shall be in full accordance with the requirements of the roof cladding manufacturer so as to ensure that at least a "Class C" non-fragility rating is achieved for the roof assembly.**

Company name and Stamp	Purlin spacing	Purlin Types	End overlap	No. of fixings required per purlin	Side stitching required	Type of fixings	Fragility rating
<b>A Steadman &amp; Son Ltd.</b>							
Steadmans AS24/1000 Agri-steel <sup>TM</sup>	Metal: 2000 mm max.	Metal and Wood	150 mm, 50mm from sheet end to fixing	Every valley at lap of sheet. Every 2 <sup>nd</sup> valley for intermediate purlins and two outer and two central valleys for eaves.	No	Techfix T14GB16 for box profile. Techfix T12GB16 for corrugated profile. Techfix T28GB16 for box profile to timber purlins Techfix SC65GB16 for AS13/3 & AS10/3 - timber purlins	Class C
Steadmans AS30/1000 Agri-steel <sup>TM</sup>	1000 mm min.			Every valley at lap of sheet and eaves. Every 2 <sup>nd</sup> valley for intermediate purlins.			Class C
Steadmans AS34/1000 Agri-steel <sup>TM</sup>	Timber: 1800 mm max.			Every valley at lap of sheet. Every 2 <sup>nd</sup> valley for intermediate purlins and two outer and two central valleys for eaves.			Class C
Steadmans AS13/3 Agri-steel <sup>TM</sup> Steadmans AS10/3 Agri-steel <sup>TM</sup>	1000 mm min.			<u>For Lapped Sheeting</u> Every 2 <sup>nd</sup> crown for laps and at each end. Every 3 <sup>rd</sup> crown for intermediate purlins <u>For Spaced Sheeting</u> <u>AS13/3</u> 1 <sup>st</sup> , 2 <sup>nd</sup> , 4 <sup>th</sup> , 6 <sup>th</sup> , 8 <sup>th</sup> , 10 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> crown for lap 1 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> , 5 <sup>th</sup> , 7 <sup>th</sup> , 9 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> crown for lap 2 alternate between above 2 laps. 1 <sup>st</sup> , 2 <sup>nd</sup> , 5 <sup>th</sup> , 8 <sup>th</sup> , 11 <sup>th</sup> , 12 <sup>th</sup> crown for intermediate purlins <u>A10/3</u> 1 <sup>st</sup> , 2 <sup>nd</sup> , 4 <sup>th</sup> , 6 <sup>th</sup> , 8 <sup>th</sup> , 9 <sup>th</sup> crown for laps for 1 <sup>st</sup> , 2 <sup>nd</sup> , 5 <sup>th</sup> , 8 <sup>th</sup> , 9 <sup>th</sup> crown for intermediate purlins			Class C
<b>BEFAB</b>							
GRANTCLAD BEFAB 0.7 S.S.A.B. MATERIAL ROLLED TO EN508-1:1996E	1500 mm	Metal	65mm from sheet end to fixing	1st, 4th, 7th, 11th, 14th rigid	No	Onegroup A70PH58-GB16H	Class C
GRANTCLAD BEFAB 0.55 S.S.A.B. MATERIAL ROLLED TO EN508-1:1996E							
BEFAB GRANTCLAD 0.55 EUROSTEEL ROLLED TO EN508-1=1996E							

Company name and Stamp	Purlin spacing	Purlin Types	End overlap	No. of fixings required per purlin	Side stitching required	Type of fixings	Fragility rating
BEFAB GRANTCLAD 0.7 EUROSTEEL ROLLED TO EN508-1=1996E							
<b>DG Roofing</b>							
DG GRANT AP - CG/0.55mm	1500 mm	Metal	65mm from sheet end to fixing	1st, 4th, 7th, 11th, 14th ridges for 0.55mm corrugated Centre of 1st, 3rd and 5th valley for box profile	No	Onegroup T14NW for box profile Onegroup A70PH58-GB16H for corrugated profile	Class B
DG GRANT AP - DP/0.55mm							
DG GRANT AP - CC/0.55mm							
<b>Duggan Profiles &amp; Steel Service Centre Ltd.</b>							
CORRIFARM 10/3 0.55 AM/DPSSC [Also 0.7mm]	1800 mm max.	Metal and Wood	150mm, 65mm between fixing and sheet end.	"Lips Down" 1,3,6,9,11 "Lips Up" 1,4,7,10	Yes @ max 600c/c	Ashfix LS 57 S19 - Metal purlins Ashfix TF 65 S19 - Timber purlins Galv Drive Nails 6.3x75mm Ashfix ST 22 S19 - Side stitching	Class B
CORRIFARM 10/3 0.55 CS/DPSSC [Also 0.7mm]							
CORRIFARM 14/3 0.55 AM/DPSSC	900 mm min.	Metal and Wood	150mm, 65mm between fixing and sheet end.	"lips Down" 1,4,7,9,12,15 "lips Up" 1,3,6,9,12,14	Yes @ max 600c/c	Ashfix LS 25 S19 - Metal purlins Ashfix TF 45 S19 - Timber purlins Ashfix ST 22 S19 - Side stitching	Space sheet
CORRIFARM 14/3 0.55 CS/DPSSC							Class B
PROFARM 800/32 0.55 AM/DPSSC [Also 0.7mm]	1800 mm max.	Metal and Wood	150mm, 65mm between fixing and sheet end.	1 fixing per valley	Yes @ max 600c/c	Ashfix LS 25 S19 - Metal purlins Ashfix TF 45 S19 - Timber purlins Ashfix ST 22 S19 - Side stitching	Space sheet
PROFARM 1000/32 0.55 AM/DPSSC							Class B
PROFARM 800/32 0.55 CS/DPSSC [Also 0.7mm]	900 mm min.	Metal and Wood	150mm, 65mm between fixing and sheet end.	1 fixing per valley	Yes @ max 600c/c	Ashfix LS 25 S19 - Metal purlins Ashfix TF 45 S19 - Timber purlins Ashfix ST 22 S19 - Side stitching	Space sheet
PROFARM 1000/32 0.55 CS/DPSSC							Class B
<b>EuroClad Ltd</b>							
EUROCLAD/AGRICLAD-TATA/0.6mm	1500 mm	Metal	65mm from sheet end to fixing	1st, 4th, 7th, 11th, 14th ridges for 0.55mm corrugated Centre of 1st, 3rd and 5th valley for box profile	No	Onegroup T14NW for box profile Onegroup A70PH58-GB16H for corrugated profile	Class B
EUROCLAD/AGRICLAD-TATA/0.55mm							
<b>Irish Roll Forming Ltd.,</b>							
IRISH ROLLFORMING AGRISPEC + 0.6MM TATA STEEL IRISH ROLLFORMING AGRISPEC + 0.6MM DONGBU STEEL	1500 mm	Metal	65 mm from sheet end to fixing	one fixing per valley for box profile 1 <sup>st</sup> , 4 <sup>th</sup> , 7 <sup>th</sup> , 10 <sup>th</sup> and 13 <sup>th</sup> ridges for corrugated	No	SUREFIX agriscrew 25mm x 5.5mm SUREFIX agriscrew 70mm x 5.5mm	Class C
<b>Newell Roofing Ltd.</b>							
SUPERFARM 350 SSAB 0.55	1500 mm min / max	Metal	150mm from sheet end to fixing	26/900 (box profile) - Every second trough 32/1000 (box profile) - Every trough Corrugated - every third crown	Yes @ max 750c/c for box profile Yes @ max 500c/c for corrugated profile	Techfix - T14GB16 for box profile Please contact manufacturer for details of fixings to be used for <b>corrugated profile</b>	Class B
SUPERFARM 350 CORUS 0.55							
<b>Sky Clad Ltd.</b>							
SKYCLAD/SKYFARM-CG /0.55/0.6	1500 mm	Metal	65mm from sheet end to fixing	1st, 4th, 7th, 11th, 14th ridges for 0.55mm corrugated Centre of 1st, 3rd and 5th valley for box profile	No	Onegroup T14NW for box profile Onegroup A70PH58-GB16H for corrugated profile	Class B

Company name and Stamp	Purlin spacing	Purlin Types	End overlap	No. of fixings required per purlin	Side stitching required	Type of fixings	Fragility rating
<b>Tegral Metal Forming Ltd.</b>							
AGRIBILD-plus/0.6 mm/Tegral/CORUS [Also 0.75mm]	1800 mm max. 1200 mm min.	Metal	Sheet end to be 25mm beyond purlin	R32 - one per valley 10/3 - 1st, 4th 8th and underlap crowns 13½/3 - 1st, 4th, 7th, 11th and underlap crowns	Yes @ max 450c/c	Mage 7310 5.5x25 S19 - valley fix R32 sheet to purlin Ash & Lacey LS57 S19 - Crown fix 10/3 & 13½/3 sheet to purlin Mage 7340 4.8x23 S16 - Side stitching	R32 - Class B 10/3 - Class C 13½/3 - Class C
<b>Wilson Steel Supplies &amp; Services Ltd.</b>							
ROLLSPAN .55mm AGROCLAD	1500 mm max	Metal	75mm from sheet end to fixing	One fastener every 2 <sup>nd</sup> ridge for corrugated and box profiles.	No	Ash & Lacey LS 57 S16 – for corrugated and box profiles.	Class B