

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.8.6), or S103 (cl.8.9); 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.

Accepted Vented Cladding	Manufacturer
Agrispec 0.6 mm Vented Box Profile	Irish Rollforming Ltd
AGRIBILDT-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
EQC/AGRICLAD – TATA/0.55mm {also 0.6mm} Vented	EQC
GUSCLAD DBU AGRICLAD 0.55mm CE	Gusclad Ltd
HALCON GRANT CLADDING 0.55MM	Halcon
BARNCLAD – VENTAIR 10.5/3 ~ 0.55mm ~ TATA ~ MCL ~ IRE	Midland Cladding & Steel Services Ltd.
AGROCLAD – VENTAIR 10/3 ~ 0.55mm ~ DONGBU ~ MCL ~ IRE	Midland Cladding & Steel Services Ltd.
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

Accepted Vented Cladding	Manufacturer
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

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)

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

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.

All rooflights shall be fixed in strict accordance with manufacturer's instructions, using the correct number and type of fasteners.

METAL PURLINS

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".

Accepted Metal Purlin	Manufacturer
AGRIPURLIN 1.2MM AM/DPSSC	Duggan Profiles
AGRIPURLIN 1.5MM AM/DPSSC	Duggan Profiles
AGRIPURLIN 2.0MM AM/DPSSC	Duggan Profiles

METAL CLADDING

Note: All pre-painted 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
A Steadman & Son Ltd.							
Steadmans AS24/1000 Agri-steel™	Metal: 2000 mm max.	Metal and Timber	150 mm, 50mm from sheet end to fixing	Every valley at lap of sheet. Every 2 nd valley for intermediate purlins and two outer and two central valleys for eaves.	No	Techfix T14GB16 for box profile. Techfix T12GB16 for corrugated profile.	Class C
							Every valley at lap of sheet and eaves. Every 2 nd valley for intermediate purlins.
Steadmans AS30/1000 Agri-steel™	1000 mm min.			Every valley at lap of sheet. Every 2 nd valley for intermediate purlins and two outer and two central valleys for eaves.		Techfix SC65GB16 for AS13/3 & AS10/3 - timber purlins	Class C
Steadmans AS34/1000 Agri-steel™	Timber: 1800 mm max.			<u>For Lapped Sheeting</u> Every 2 nd crown for laps and at each end. Every 3 rd crown for intermediate purlins <u>For Spaced Sheeting</u> AS13/3 1 st , 2 nd , 4 th , 6 th , 8 th , 10 th , 11 th , 12 th crown for lap 1 1 st , 2 nd , 3 rd , 5 th , 7 th , 9 th , 11 th , 12 th crown for lap 2 alternate between above 2 laps. 1 st , 2 nd , 5 th , 8 th , 11 th , 12 th crown for intermediate purlins A10/3 1 st , 2 nd , 4 th , 6 th , 8 th , 9 th crown for laps for 1 st , 2 nd , 5 th , 8 th , 9 th crown for intermediate purlins			Class C
Steadmans AS13/3 Agri-steel™	1000 mm max.						Class C
Steadmans AS10/3 Agri-steel™	1000 mm min.						Class C

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 BEFAB 0.7 S.S.A.B. MATERIAL ROLLED TO EN508-1:1996E	1500 mm	Metal	65mm from sheet end to fixing	1 st , 4 th , 7 th , 11 th , 14 th 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							
BEFAB GRANTCLAD 0.7 EUROSTEEL ROLLED TO EN508-1=1996E							
CPF (Profiles) Ltd							
COLFARM DBL 0.55, CPF(Profiles) Ltd 043 3346162 XX/XX/XX, [Also 0.7mm]	1800 mm	Timber	200mm from sheet end to fixing	1 st , 3 rd , 5 th Valley for box profile. Corrugated 7 fixings at ends and 5 fixings for intermediate purlins	No	Roofing & Cladding: GCPST/HT60GB19 Roofing & Cladding: GTR 4.2 dia x 75 long	Class B
DG Roofing							
DG GRANT AP - CG/0.55mm				1 st , 4 th , 7 th , 11 th , 14 th ridges for 0.55mm corrugated	No	Onegroup T14NW for box profile	
DG GRANT AP - DP/0.55mm	1500 mm	Metal	65mm from sheet end to fixing	Centre of 1 st , 3 rd and 5 th valley for box profile		Onegroup A70PH58-GB16H for corrugated profile	Class B
DG GRANT AP - CC/0.55mm							
Duggan Profiles & Steel Service Centre Ltd.							
CORRIFARM 10/3 0.55 AM/DPSSC [Also 0.7mm]	1800 mm max.	Metal and Timber	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	Class B
CORRIFARM 14/3 0.55 AM/DPSSC	900 mm min.	Timber		"lips Down" 1,4,7,9,12,15 "lips Up" 1,3,6,9,12,14		Ashfix ST 22 S19 - Side stitching	Class B
CORRIFARM 14/3 0.55 CS/DPSSC							
PROFARM 800/32 0.55 AM/DPSSC [Also 0.7mm]	1800 mm max.	Metal and Timber	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 Class B Space sheet Class B
PROFARM 1000/32 0.55 AM/DPSSC							
PROFARM 800/32 0.55 CS/DPSSC [Also 0.7mm]	900 mm min.						
PROFARM 1000/32 0.55 CS/DPSSC							

Company name and Stamp	Purlin spacing	Purlin Types	End overlap	No. of fixings required per purlin	Side stitching required	Type of fixings	Fragility rating
Euro Quality Cladding Ltd (formerly EuroClad Ltd)							
EQC/AGRICLAD-TATA/0.6mm	1500 mm	Metal and Timber	65mm from sheet end to fixing	1 st , 4 th , 7 th , 11 th , 14 th ridges for 0.55mm corrugated on metal purlins. Fixing every 3 rd ridge at sheet ends and every 4 th ridge at mid-span, starting at 1 st ridge, for corrugated on timber purlins. Centre of 1 st , 3 rd and 5 th valley for box profile on metal purlins. Centre of every valley for box profile on timber purlins.	No	Onegroup A70PH58-GB16H for corrugated profile on metal purlins. MAK (2-3) 6.3mm x 40mm timber screw for corrugated profile on timber purlins. Onegroup T14NW for box profile. MAK (2-3) 6.3mm x 40mm timber screw for box profile on timber purlins.	Class B
EUROCLAD/AGRICLAD-TATA/0.6mm							
EQC/AGRICLAD-TATA/0.55mm EUROCLAD/AGRICLAD-TATA/0.55mm							
Gusclad Ltd							
GUUSCLAD DBU AGRICLAD 0.55mm CE	1500 mm	Metal and Timber	65 mm from sheet end to fixing	One fastener every 3 rd crest, starting at 1 st ridge, plus one at under lap for corrugated sheets. 1 fixing per valley for Box profile	No	SureFix agriscrew 70mm x 5.5mm – timber purlins SureFix LS43GB16 43mm x 5.5mm – Metal Purlins	Class B with metal purlins. Class C with timber Purlins
Halcon Steel Ltd							
HALCON GRANT CLADDING 0.55MM	1500 mm	Metal And Timber	65 mm from sheet end to fixing	1 st , 4 th , 7 th , 10 th , 13 th , 14 th ridges for corrugated on metal and Timber purlins at end of sheet. 1 st , 5 th , 9 th , 13 th , 14 th ridges for corrugated on metal and Timber purlins at mid span. Centre of every valley for box profile on timber and metal purlins.	No	Corrugated to metal purlins: 5.5mm x 57mm GTD 23GB16H Corrugated to Timber Purlins: 5.5mm x 70mm GA GR170GB16H Box profile to metal purlins: 5.5mm x 25mm GT14GB16 Box profile to timber purlins: 6.3mm x 45mm GTR28GB16	Class B corrugated profile with metal purlins Class C all other combinations
Irish Roll Forming Ltd.							
IRISH ROLLFORMING AGRISPEC + 0.6MM TATA STEEL [also in 0.7mm] IRISH ROLLFORMING AGRISPEC + 0.6MM DONGBU STEEL	1500 mm	Metal and Timber	65 mm from sheet end to fixing	one fixing per valley for box profile 1 st , 4 th , 7 th , 10 th and 13 th ridges for corrugated	No	SUREFIX agriscrew 25mm x 5.5mm SUREFIX agriscrew 70mm x 5.5mm	Class C. Class B only with 0.7mm TATA Steel
Midland Cladding & Steel Services Ltd.							
AGROCLAD 10/3~0.55mm~DONGBU~MCL~IRL BARNCLAD 10.5/3~0.55mm~TAT~MCL~IRL	1500 mm	Metal and Timber	65 mm from sheet end to fixing	One fastener every 3 rd crest, starting at 1 st ridge, plus one at under lap.	No	iFix AS70G16B 70mm x 5.5m – timber purlins iFix LS43G16B 43mm x 5.5mm – Metal Purlins	Class B with metal purlins. Class C with timber Purlins

Company name and Stamp	Purlin spacing	Purlin Types	End overlap	No. of fixings required per purlin	Side stitching required	Type of fixings	Fragility rating
Newell Roofing Ltd.							
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 corrugated profile	Class B
SUPERFARM 350 CORUS 0.55							
Sky Clad Ltd.							
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
Tegral Metal Forming Ltd.							
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
Wilson Steel Supplies & Services Ltd.							
ROLLSPAN .55mm AGROCLAD	1500 mm max	Metal	75mm from sheet end to fixing	One fastener every 2 nd ridge for corrugated and box profiles.	No	Ash & Lacey LS 57 S16 – for corrugated and box profiles.	Class B