

EDITION 4 | SUMMER 2022

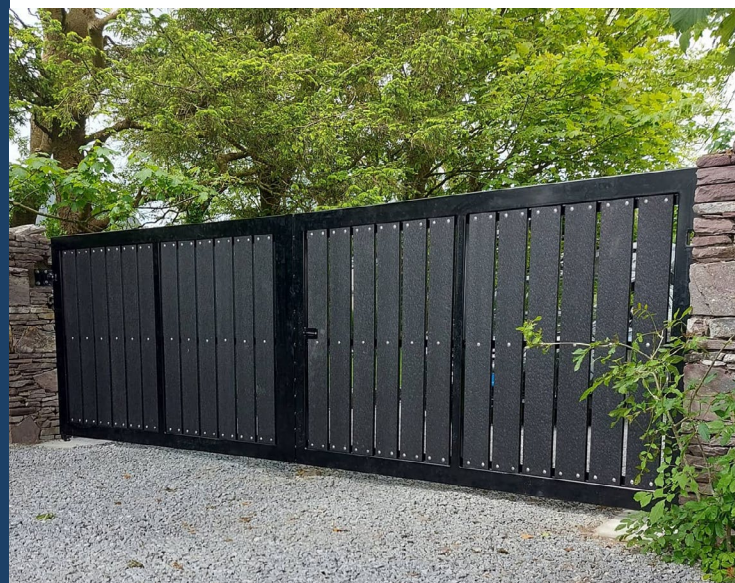


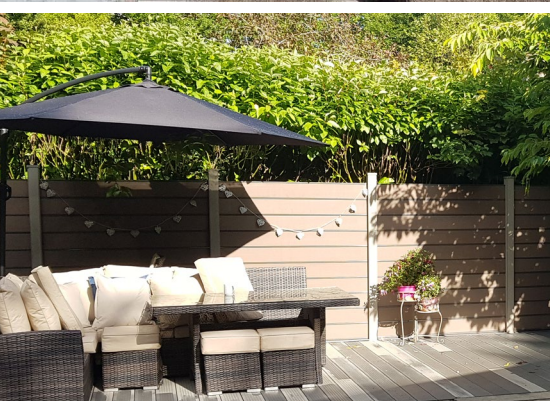
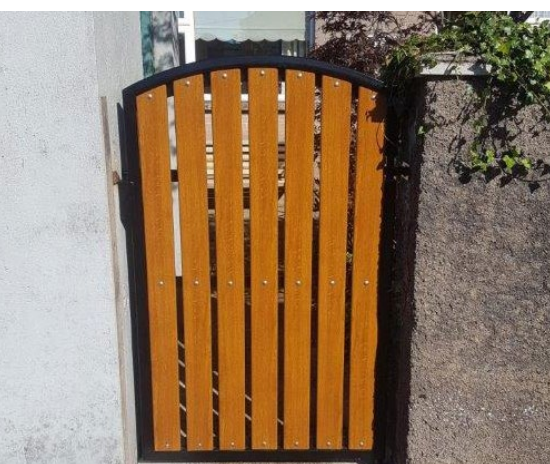
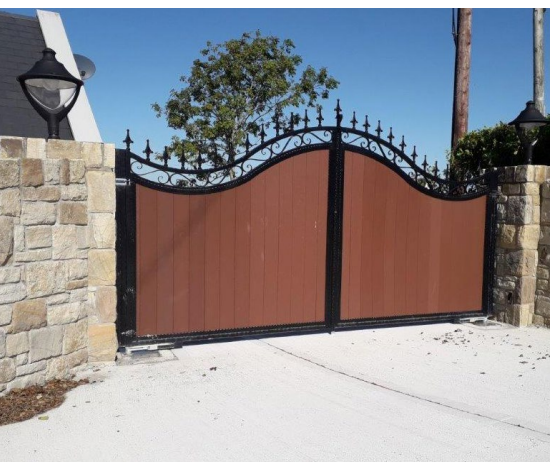
RECYCLED PLASTIC BOARDS & DECKING SOLUTIONS

An eco-friendly, durable and
cost-effective alternative to
traditional materials



TALITECH
DECORATIVE METALWORK SUPPLIES





RECYCLED PLASTIC BOARDS HAVE MANY BENEFITS

Recycled Plastic Boards are made from post-consumer waste. This helps offset the environmental impact of everyday plastics. Each metre of board contains the plastic of approx. 650 milk or juice cartons. That's good news for the environment and good news for landfill.



Environmentally-Friendly

100% Recycled Plastic



Maintenance-Free

Fit and Forget



Rot-Proof

Strong, Clean and Long Lasting



Never Needs Painting

Just clean when necessary



UV Resistant

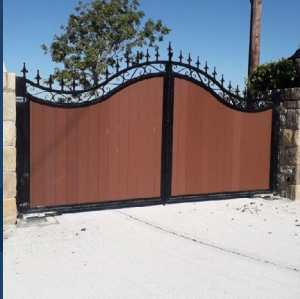


Weatherproof



The composition of the boards makes them very durable, easy to work with and long lasting. This makes them a great alternative to traditional materials that require a lot of ongoing maintenance during their lifespan.

Contents Overview



Duraplas Premium

Tongue & Groove
Square Edged
Stokboard

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Eco-Board

Tongue & Groove
Square Edged
Laminated Woodgrain Effect

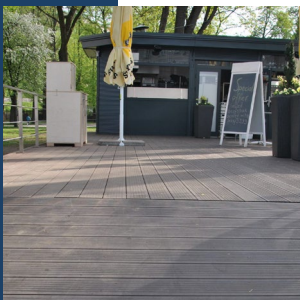
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Fitting Guidelines

Essential tips and rules to ensure a
successful end result

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Decking Boards

Composite Decking Boards
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Duraplas Premium



Developed as an alternative to traditional materials such as wood, the Duraplas® range are manufactured from high-density polyethylene 100% recycled plastic.

Replacing traditional materials such as timber, our Duraplas® range is available in a selection of lengths & dimensions, ensuring we support our client projects and end users' requirements.

Being manufactured from HDPE plastic, with a maintenance-free typical life span at least 4 x that of timber, Duraplas® is a cost-effective, multi-purpose component used in the manufacture of anything from boardwalks to outdoor furniture.

Typical Uses Include

- | | |
|-------------------|------------------|
| Gates | Piggeries |
| Doors | Retaining Boards |
| Outdoor Furniture | Kick Boards |
| Fencing | Flower Pots |
| Stable Doors | |



EXTREMELY DURABLE



MAINTENANCE FREE



ROT PROOF



NON-TOXIC



COLOURFAST



WEATHERPROOF



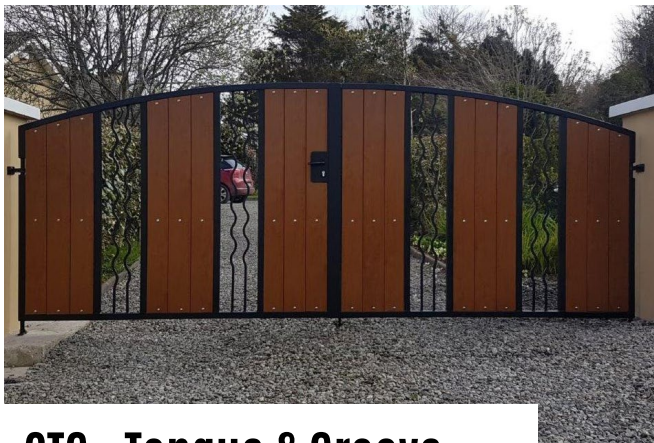
SPLINTER & CRACK PROOF



ATTRACTIVE & DURABLE

DURAPLAS PREMIUM - Textured Finish

Please note these boards are made from recycled plastic, so there can be discrepancies in finish and colour from batch to batch



CTG - Tongue & Groove

138mm wide x 24mm thick

Available Colours:

Black | Dark Brown | Chestnut Brown | Grey

Available Lengths:

3600mm | 2400mm | 1800mm



Black Dark Brown Chestnut Brown Grey



CSE - Square Edged

140mm wide x 24mm thick

Available Colours:

Black | Grey | Chestnut Brown

Available Lengths:

3600mm | 1800mm



Black Grey Chestnut Brown

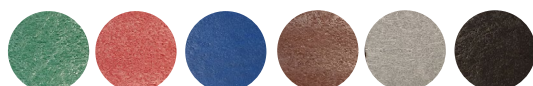


CSE - Square Edged

90mm x 38mm x 3m

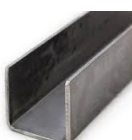
Available Colours:

Black | Chestnut Brown | Grey
Blue | Green | Cranberry Red



Green Cranberry Red Blue Chestnut Brown Grey Black

U Channel



31 x 31 x 2mm thick
in 3m lengths for
24mm thick Tongue & Groove



Stokbord ®

Black - 2440mm x 1220mm sheets
Available in 18mm thick.

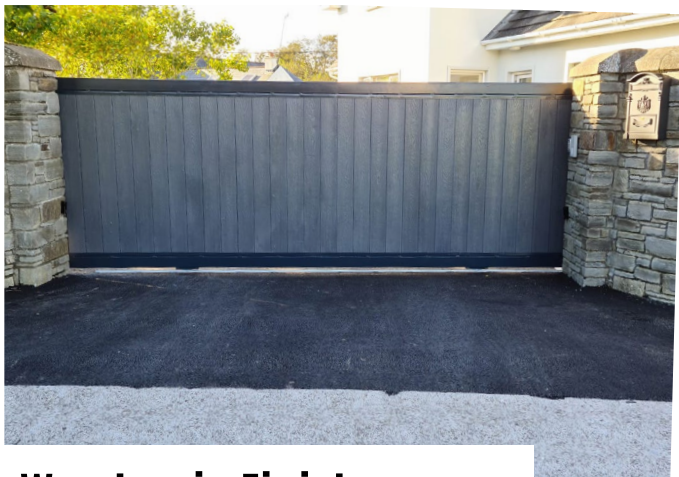
Stokbord is a diamond embossed black, recycled plastic sheet that is extremely tough & durable. It is manufactured from 100% recycled plastic, including agricultural farm film.

As a general purpose sheet to replace Ply or MDF or sheet steel it presents great value for money over its life. They can easily be fabricated by routing, cutting and shaping. Another benefit is that they offer excellent hygiene, as they can be cleaned down easily, are waterproof and are resistant to most chemicals.

Given its chew resistant, non-toxic nature, it is ideal for trailer linings, Stable Kick Boards, Poultry, Sheep & Pig Pens, Feed Trailer Floors, Grain Stores and Bins.

It is also ideal as a ground sheet to protect surfaces during construction projects.

ECO BOARD - 28mm Tongue and Groove



Woodgrain Finish

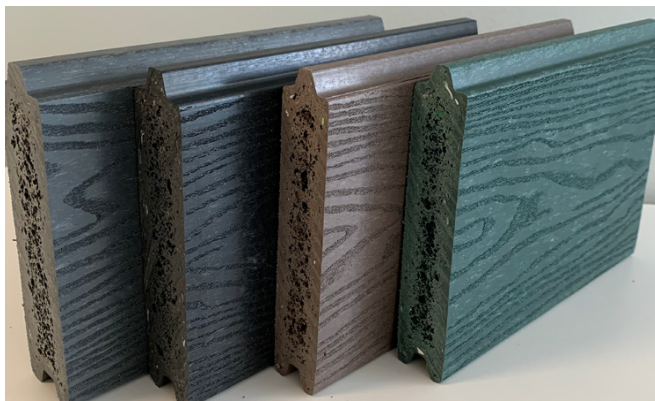
138mm wide x 28mm thick

Available Colours:

Grey | Black | Brown | Green

Available Lengths:

3600mm | 2400mm | 1800mm



Galvanised Strengthening Strips

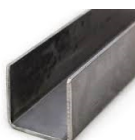


Galvanized strengthening profile for 28mm T&G Boards

To be used every 3 boards, vertically or horizontally

Available in:
1250mm, 1500mm or 1790mm lengths

U Channel



35 x 35 x 2mm thick
in 3m lengths for 28mm thick
Tongue and Groove

ABOUT ECO BOARD

The 28mm thick board is made from 100% recycled materials. It is designed to replace timber in circumstances where resistance against humidity, moisture, wearing and also extensive durability is in demand. It is mainly composed of HPDE, LDPE, PP (PolyPropylene) and PS (PolyStyrene) plastics. The surface can have little imperfections making these boards more suitable to projects that are not visually very sensitive.

Designed to be used in non-bearing constructions and is processed the same way as timber. 1 Meter contains approx 520 plastic bottles, 660 yogurt tubs or 500 plastic bags.

Why recycled plastic is the best choice:

- ✓ Maintenance Free
- ✓ Does not need any chemical treatment and can be pressure-washed
- ✓ Extremely Durable
- ✓ Long Life Span
- ✓ 100% Recycled & 100% Recyclable
- ✓ Environmentally-Friendly Lifestyle
- ✓ Resistant to Decay
- ✓ Non-Splintering
- ✓ Waterproof
- ✓ Hygienic
- ✓ Non-Toxic
- ✓ UV-Resistant
- ✓ Easy to Install

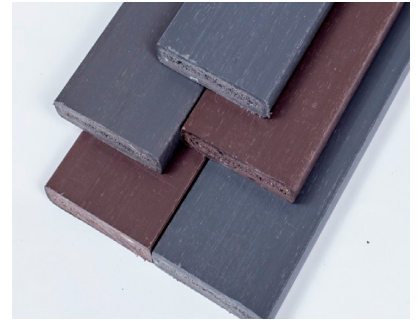


ECO BOARD - Square Edged

Please note these boards are made from recycled plastic, so there can be discrepancies in finish and colour from batch to batch

Plain / Smooth Finish

Sizes			Colours		
Width (mm)	Thickness (mm)	Length (mm)	Black	Brown	Grey
95	32	3600		●	
95	50	3600	●	●	
70	20	3000	●	●	



Double Sided Laminated Board

Sizes			Colours	
Width (mm)	Thickness (mm)	Length (mm)	Golden Oak	AnTeak
95	20	3600	●	
95	20	1800	●	●



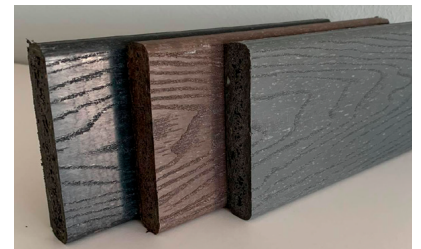
Golden Oak



AnTeak

Woodgrain Finish

Sizes			Colours		
Width (mm)	Thickness (mm)	Length (mm)	Black	Brown	Grey
140	25	3600	●	●	●
95	20	1800	●	●	●
95	20	3600	●	●	●
140	50	3600	●	●	●
95	95	3000	●	●	
95	32	3600	●		



Need Samples?

Samples of all our Recycled Plastic products and Decking Boards available

CONTACT OUR SALES TEAM

021 432 2848

info@talitech.com


TALITECH
DECORATIVE METALWORK SUPPLIES

ECO BOARD - Laminated

Please note these boards are made from recycled plastic, so there can be discrepancies in finish and colour from batch to batch

100% Recycled Plastic T&G boards

Double sided laminate finish

138mm x 28mm

Structure of the Exterior Film:

Solar Shield Technology (SST) takes away the sun. Infrared radiation from the sun is reflected by SST. This results in cooler profiles and a host of other benefits. The transparent upper layer consists of polymethylmethacrylate (PMMA) and absorbs more than 95% of the UV-radiation. The colours and woodgrain are protected from fading and other weather effects.



The ultimate exterior film. RENOLIT EXOFOL FX.

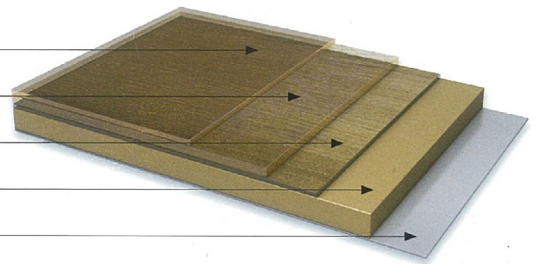
Transparent PVDF layer

Transparent PMMA film

Printing Ink

Pigmented PMMA base film with SST

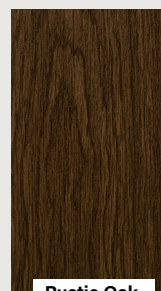
Primer



**Golden Oak, Rustic Oak and Macoré available in
3600mm | 2400mm | 1800mm**



Golden Oak



Rustic Oak



Macoré

WORKABILITY & MAINTENANCE RECOMMENDATIONS

- ✓ Use of a high speed wood saw blade with close teeth for cutting.
- ✓ Drill with low speed and use a pilot hole.
- ✓ Clean with a damp soft cloth with mild detergents, excluding abrasive products.

FITTING GUIDELINES

FOR T&G AND SQUARE EDGED PLASTIC BOARDS



These boards are made from recycled plastic which expands and contracts. **You MUST allow for this when fitting to a metal frame**

GUIDELINES

- 01 >> **Pre-drilling holes before installation is recommended.** Oversize holes by min of 2mm in relation to bolt size.
- 02 >> Use a stainless-steel bolt and washer system. **DO NOT use countersunk screws.** Use coach bolts, coach screws and pan head with large washers wherever possible. 6mm bolts are most popular. 6mm stainless bolts, washers and nuts available from Talitech.
- 03 >> **DO NOT over tighten bolts**, allow for thermal expansion at the rate of approx 2.1mm per linear metre per 10-degree rise in temperature.
- 04 >> For the T&G boards, slot gently into each other as they are a loose - fitting board.
- 05 >> **Boards should be fitted where possible**, at or near its anticipated upper service temperature and **always stored in a level and flat condition.**
- 06 >> Before installing, **boards should be stored at the ambient temperature that it will operate in once fitted.** Ideally this needs to be 24 hours or longer.
- 07 >> **Sawing: preferably with an electrical circular saw, with a large blade if possible.** A small blade can heat up, causing the material to melt and to become more difficult to saw. When sawing the tongue and groove boards length ways the smaller piece can become bowed.
- 08 >> **DO NOT nail or glue any part of the planks**, when fitting to a metal frame.
- 09 >> **You can ONLY nail or screw boards when you are fitting the plastic boards to each other.** E.G: Raised flower beds, garden furniture. In these cases, everything expands and contracts together! So no need to allow extra room.



RECOMMENDATIONS

Please note that these recommendations may need to be altered to suit your particular project depending on where the boards are being used)

BRACE SUPPORTS – Rule of thumb for 28mm T&G boards is that anything over 1100mm tall needs a centre brace and for the 24mm T&G boards anything over 600mm should be braced. If T&G boards are being fitted horizontally, then the up-right supports should also be every 1100mm/600mm. The thinner the boards the more bracing required e.g the 95 x 20mm square edged boards should be supported every 500mm.

Only 1 bolt is required at Top, Middle (if centre braced) and bottom.

Fortification (strengthening) strips are now available for the 28mm T&G boards. By using these every 3rd board it can eliminate the need to centre brace up to approx. 1800mm tall or wide if being fitted horizontally.

If fitting into stable doors/partitions etc, always over compensate and err on the side of caution when bracing boards as high impact is highly likely.

When using the T&G boards for external structures, the use of a U-Frame is recommended. The boards need to be framed on all 4 sides and should not be packed too tightly.

An effective way of securing the first and last boards is to screw a long, strong screw horizontally through the side of the frame into the first and last board. Ensure that the screw is inserted at least 7 – 8 cm into the board.

Alternatively, halfway down the frame's vertical length a small metal plate (at least 5cm x 5cm) can be screwed across the joint where the side of the frame meets the first / last board. This will secure the end boards to the frame and prevent movement.

The intermediate boards are held straight due to the T&G system.

Composite Decking Board

145mm x 28mm x 4mtr



Talitech composite decking systems help us protect the environment – they contain no hazardous agents.

Composite decking boards are an outstanding alternative to traditional wood terrace boards since their maintenance is minimal. Boards are long lasting and durable, non-slippery, resistant to impact, rotting, moisture, UV rays and adverse weather conditions. We offer a range of terrace board colors and end profiles to complete your project.



LONG
LASTING



HIGHLY
DURABLE



NON-
SLIPPERY



IMPACT
RESISTANT



ROT
RESISTANT



MOISTURE
RESISTANT



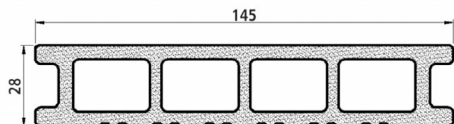
UV RAYS
RESISTANT



ADVERSE
WEATHER
RESISTANT

Composite Decking Board

145mm x 28mm x 4mtr



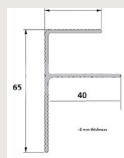
Decking boards are two-sided with a flat side and a detailed lined side; giving you extra choice for the finish you require. Both sides are anti-slip.



End-Side Vertical Profile:
Available in all 3 colours
x 3m lengths



Stainless Steel intermediate & end clips available for fitting
Titanium screws for metal and timber also in stock.



F-Profile
Aluminium F edging profile available in black & brown in 3m lengths. Insert also available as pure right angle edge profile.



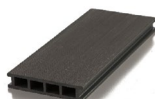
Shock Rubber Tapes
Blocks water and reduces moisture on support beams.
When using steel support they also deaden the sound and provide a bounce under your feet.

Anthracite

Lined Side



Plain Side



Brown

Lined Side

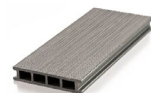


Plain Side



Grey

Lined Side



Plain Side



Steel support beam structures can be up to 500mm between centres

If using plastic or timber beam structures, reduce the centres to 400mm

Samples of decking boards available on request

As these are composite boards please allow 6 to 8 weeks after fitting for colour to stabilise





Ireland's Premier Supplier and Distributor of Decorative Metalwork Supplies and Components

Talitech is a family run business established in 1993, now in its 2nd generation and based on the outskirts of Cork City.

With many years' experience, Talitech prides itself on providing high quality products, competitive pricing and an efficient delivery service. We aim to give you and your customer the peace of mind you deserve.

Decorative Metalwork Supplies

Recycled Plastic Boards

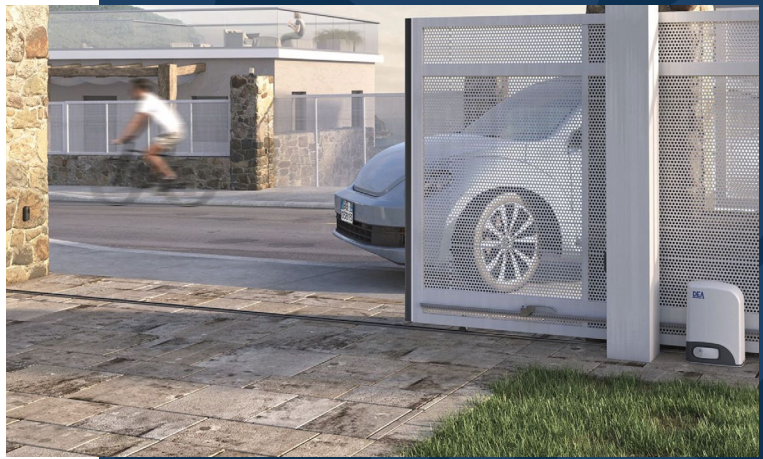
Composite Decking Boards

Stainless Steel Handrail Fittings

Cantilever & Sliding Gate/Door Fittings

DEA Gate Automation

Locks & Hinges



DEA

LOCINOX




grande forge

SB-Railing
Profit by quality
UNIQ
SMART BALUSTRADES



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021 432 2848
info@talitech.com
www.talitech.com

Unit C3,
Grange Industrial Estate,
Ballycurreen, Cork
T12 XR98