



THE HISTORY OF ROCAL EXTRUSIONS

Rocal was originally established in 1993 as a manufacturer of door panels, and since being established in 2009 Rocal Extrusions has gone from strength to strength in establishing itself as one of the key players in the plastic extrusions industry.

Over the past decade and more, we've diversified and evolved, and now we not only manufacture a huge variety of bespoke plastic extrusions but also provide custom tooling alongside a range of finishes, colours, wrapping and secondary operations.



LET US INTRODUCE OURSELVES

It's no secret that over time, wood will rot, swell, warp and degrade when exposed to moisture.

By replacing timber with TimbPlas on projects where moisture may cause problems in the future, you'll see how it feels to truly fit and forget.

With its lifetime guarantee, TimbPlas offers you peace of mind as well as consistent engineered quality and versatility that wood simply cannot deliver.



SEVEN REASONS WHY YOU SHOULD CHOOSE TIMBPLAS

1 UNAFFECTED BY MOISTURE

Even when permanently submerged, these profiles will retain their structural integrity—meaning they will outlast almost any product in which is it used.

2 LIGHTWEIGHT BUT STRONG

Offering similar levels of density and strength to softwood, TimbPlas has the benefits of being extremely lightweight. Making it ideal for projects where weight may be a consideration.

3 ADAPTABLE & WORKABLE

**MACHINE IT. BOND IT.
SCREW IT. PLANE IT.**

TimbPlas' versatility lies in its ability to be worked like timber, but also has the long lasting life cycle of a plastic.



4 MAINTENANCE FREE

Not only does TimbPlas not require any form of treatment to make it stand the test of time, it is also 100% maintenance free.

6 ENVIRONMENTALLY FRIENDLY

As it will never degrade, TimbPlas can be recycled into another type of plastic product at the end of its use.

5 ENGINEERED PRECISION

**NO KNOTS. NO TWISTING.
NO ROTTING. NO WASTAGE.**

TimbPlas is an engineered product, meaning you will benefit from consistent quality throughout its length.

7 ENERGY EFFICIENT

TimbPlas offers a similar U-Value performance to softwood of the equivalent thickness. Replacing your existing timber structure with TimbPlas means no increase in heat loss and no thermal bridging.



MATERIAL PROPERTIES

1. Does not warp, swell or rot.
2. Will not degrade as a result of water.
3. Lightweight and strong (standard TimbPlas has an sg weight of 0.6sg).
4. Over 50 standard profiles to choose from.
5. Specialist profiles/forms are available due to our in-house tooling facilities.
6. Can be cut to any length.
7. No knots, twists or wastage.
8. No treatment needed.
9. Excellent screw holding.
10. 100% recyclable material.
11. Self-extinguishing, so TimbPlas will not fuel a fire.



SECTORS

Due to its moisture resistance and lightweight construction, TimbPlas has applications in a plethora of different industries and products. TimbPlas can also be machined, planed, screwed and bonded to, making it one of the most versatile manufacturing products available.



GARDEN



TRADE



CONSTRUCTION

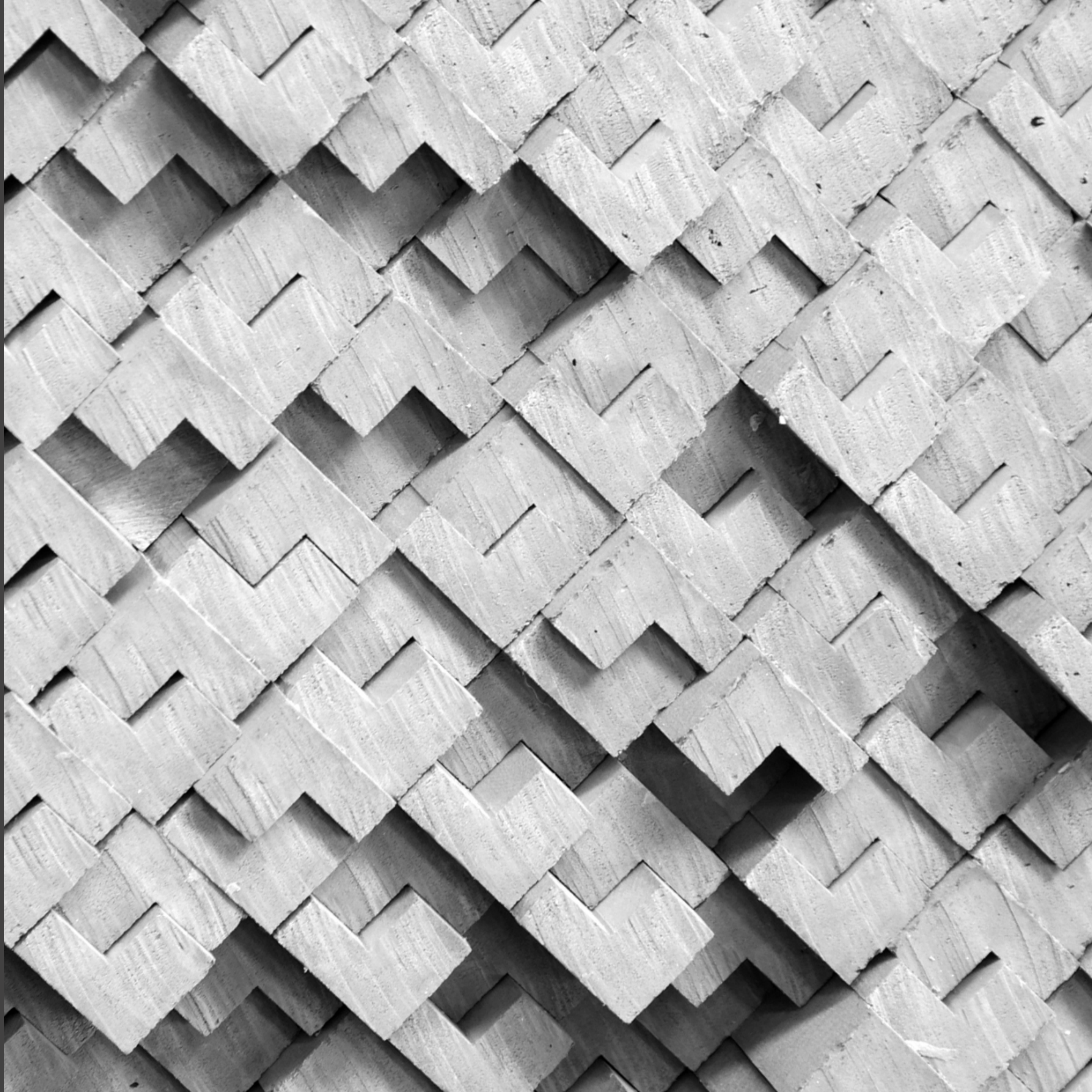


MANUFACTURING

STANDARD PROFILES

TimbPlas is available to order in a range of standard profiles and commonly used component products.

Our standard profiles have been developed to replicate popular wooden batten and plank products, so it's easy to replace like for like.



SQUARE PROFILES



R10/10
Planned H10mm x W10mm
Unplanned H12mm x W12mm
Ref: R590



S25/25
Planned H25mm x W25mm
Unplanned H27mm x W27mm
Ref: R448



R4/23
Planned H4mm x W23mm
Unplanned H5mm x W25mm
Ref: R525



R15/22
Planned H15mm x W22mm
Unplanned H17mm x W24mm
Ref: R571



R14/23
Planned H14mm x W23mm
Unplanned H16mm x W25mm
Ref: R449



S22/22
Planned H22mm x W22mm
Unplanned H24mm x W24mm
Ref: R456



S44/44
Planned H44mm x W44mm
Unplanned H46mm x W46mm
Ref: R572



R8/20
Planned H8mm x W20mm
Unplanned H10mm x W22mm
Ref: R478



R8/40
Planned H8mm x W40mm
Unplanned H10mm x W42mm
Ref: R571



R11/37
Planned H11mm x W37mm
Unplanned H13mm x W39mm
Ref: R440



R9/46
Planned H9mm x W46mm
Unplanned H11mm x W48mm
Ref: R454



R22/29
Planned H22mm x W29mm
Unplanned H24mm x W31mm
Ref: R505



R19/30
Planned H19mm x W30mm
Unplanned H21mm x W32mm
Ref: R552



R12/65
Planned H12mm x W65mm
Unplanned H14mm x W67mm
Ref: R562



R20/45
Planned H20mm x W45mm
Unplanned H22mm x W47mm
Ref: R587



R17/37
Planned H17mm x W37mm
Unplanned H19mm x W39mm
Ref: R616



R12/55
Planned H12mm x W55mm
Unplanned H14mm x W57mm
Ref: R527



R12/48
Planned H12mm x W48mm
Unplanned H15mm x W50mm
Ref: R563



R22/36
Planned H22mm x W36mm
Unplanned H24mm x W38mm
Ref: R434



R19/38
Planned H19mm x W38mm
Unplanned H22mm x W40mm
Ref: R616

RECTANGLE PROFILES

RECTANGLE PROFILES

RECTANGLE PROFILES



R25/35
Planned H25mm x W35mm
Unplanned H27mm x W37mm
Ref: R443



R22/46
Planned H22mm x W46mm
Unplanned H24mm x W48mm
Ref: R454



R30/35
Planned H30mm x W35mm
Unplanned H32mm x W37mm
Ref: R462



R25/38
Planned H25mm x W38mm
Unplanned H27mm x W40mm
Ref: R618



R26/39
Planned H26mm x W39mm
Unplanned H27mm x W41mm
Ref: R477



R25/50
Planned H25mm x W50mm
Unplanned H27mm x W52mm
Ref: R568



R12/120
Planned H12mm x W120mm
Unplanned H14mm x W122mm
Ref: R559



R28/53
Planned H28mm x W53mm
Unplanned H30mm x W55mm
Ref: R517



R19/64
Planned H19mm x W64mm
Unplanned H22mm x W67mm
Ref: R617



R35/44
Planned H35mm x W44mm
Unplanned H37mm x W46mm
Ref: R436



R25/70
Planned H25mm x W70mm
Unplanned H27mm x W72mm
Ref: N/A



R40/46
Planned H40mm x W46mm
Unplanned H42mm x W48mm
Ref: R533



R19/64
Planned H19mm x W64mm
Unplanned H22mm x W67mm
Ref: R617



R30/50
Planned H30mm x W50mm
Unplanned H33mm x W53mm
Ref: R622



R30/60
Planned H30mm x W60mm
Unplanned H32mm x W62mm
Ref: R561



R38/62
Planned H38mm x W62mm
Unplanned H40mm x W64mm
Ref: R580



R38/64
Planned H38mm x W64mm
Unplanned H40mm x W66mm
Ref: R619

RECTANGLE PROFILES

RECTANGLE PROFILES



R35/62
Planned H35mm x W62mm
Unplanned H37mm x W64mm
Ref: R507



R40/60
Planned H40mm x W60mm
Unplanned H42mm x W62mm
Ref: R560



R35/122
Planned H35mm x W122mm
Unplanned H37mm x W125mm
Ref: R530



R38/70
Planned H38mm x W70mm
Unplanned H40mm x W72mm
Ref: R580



R50/65
Planned H50mm x W65mm
Unplanned H52mm x W67mm
Ref: R584



R25/100
Planned H25mm x W100mm
Unplanned H27mm x W102mm
Ref: R558



R30/100
Planned H30mm x W100mm
Unplanned H32mm x W102mm
Ref: R558



R40/95
Planned H40mm x W95mm
Unplanned H42mm x W97mm
Ref: R620

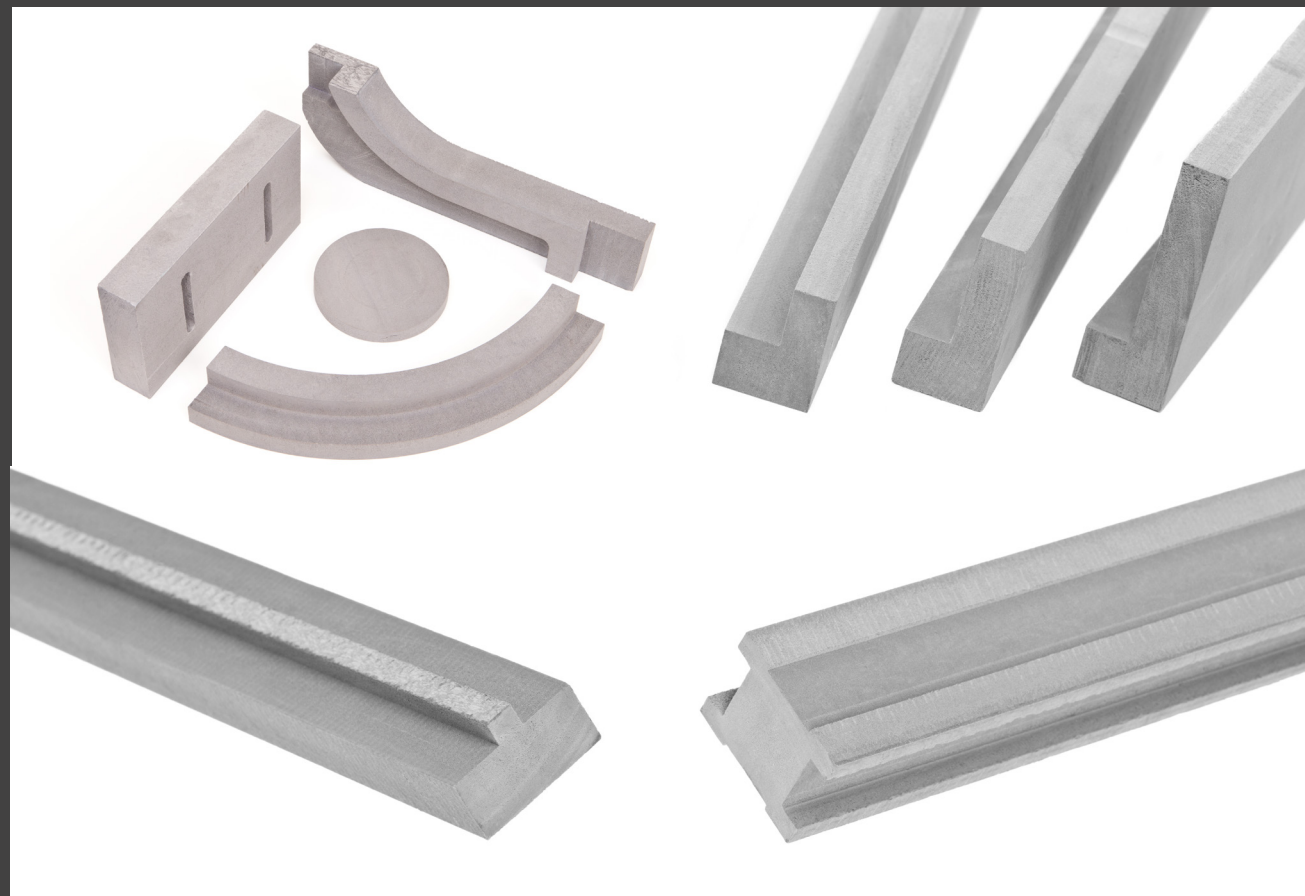


R40/100
Planned H40mm x W100mm
Unplanned H42mm x W102mm
Ref: R557

RECTANGLE PROFILES

MATERIAL APPLICATIONS

The applications are endless and the quality is exceptional.



COMPONENTS & PROFILES



BATTEN REPLACEMENTS FOR WALLS AND FLOORS



WATER INGRESS BARRIER FOR DOORS & WINDOW FRAMES

WE'VE PROVEN OURSELVES

TimbPlas is an exciting and new material unique to Rocal Extrusions. TimbPlas as a material is only in limited markets currently but has applications within many markets and there is a clear advantage to being the first to market within your business. Rocal are positioned to help you with analysing the potential applications and any material specific properties you require from a product application.



BESPOKE

If you're looking for bespoke profiles or components parts, our in-house tooling facility means we can design and produce unique extrusions quickly and cost effectively.

We make bespoke components and profiles for industries such as leisure and tourism, manufacturing and niche market sectors.

Send us your drawings and we will provide a quote within 24 hours.



FIRST CLASS SERVICE

Rocal Extrusions are the business behind the development of the innovative TimbPlas product. Established in 2009, we have been extruding plastic profiles for over a decade, making us experts in the industry.

FAST NATIONWIDE DELIVERY

Our own national distribution fleet allows us to deliver on time, every time.

VERSATILE MANUFACTURING

We can supply TimbPlas in almost any length and are happy to accommodate both small production runs and industrial size orders.

TECHNICAL DESIGN CONSULTATION SERVICE

Our experienced and knowledgeable team can provide you with a detailed design consultation, where we would discuss your desired application and work together to design a product that perfectly matches your requirements.

CASE STUDY

THE PRODUCT

As the cornerstone of Endurance's framed composite door design, their solid timber core offers solidity and security that is unrivalled.

THE PROBLEM

Exposed to the elements, Endurance's solid timber core was susceptible to moisture ingress at the foot of the door. This led to doors swelling and sticking within the door frame.

THE PROBLEM

Costly aftersale issues and damage to the company's reputation within their loyal customer network.

THE SOLUTION

A bespoke TimbPlas strip was incorporated into the foot of every Endurance Door, concealed within the door slab. This created a barrier between the solid timber core of the door and any standing water at its base, completely eradicating any issues caused by moisture ingress.

WHAT THE CUSTOMER SAID

"Moisture ingress is an issue commonly associated with composite doors, leading to the warping and swelling of door slabs. As the only manufacturer to have included TimbPlas within the construction of our products, we have grown our Trade Business substantially due to its positive impact on tackling this issue."



GET IN TOUCH

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