Wood Plastic Composites (WPC) combine polymer with wood fibres creating a material with the inherent properties of timber whilst having a number of additional benefits.

Wood Plastic Composite is not as susceptible as timber to changing moisture levels in the environment, eliminating the possibility of the material splinting and splitting. The lack of moisture held in the WPC also contributes to the product being less likely to suffer from rotting.

Knots and imperfections in timber form a weak spot when it comes to working the product and ongoing aesthetics. This is not an issue with Wood Plastic Composites as our manufacturing process is strictly controlled. Through focusing on development of tooling and process materials, we can produce a solid profile with even density through its length and cross section, eliminating any imperfections, voids or weak spots in the profile.

Our onsite design and tooling department will work with you to compile a set of manufacturing parameters to ensure that the product is dimensionally correct for your application. Further alterations can take place onsite using standard joinery tools if necessary.
WPC’S PERFORMANCE CHARACTERISTICS AND ASSOCIATED LOWER MAINTENANCE
Extrusion Capabilities

Our knowledge of Wood Plastic Composite processing, onsite tooling and customer service provides a comprehensive package when it comes to the extrusion of WPC offering:

- Solid and hollow profile design
- Custom tooling
- Printing for identification and branding purposes
- Application of tape
- Guidance on additives for additional performance
- Ongoing tooling maintenance

Material Performance

Wood Plastic Composites (WPC) combine the inherent properties of timber with the following additional performance characteristics:

**CONSISTENCY**
Products has even density through the length and cross section of the profile, eliminating voids and weak spots in the WPC.

**LESS SUSCEPTIBLE TO ROT**
The reduced moisture retention in the WPC contributes to the product being less likely to suffer from rotting.
REDUCED WATER ABSORPTION
WPC is not as susceptible to changing moisture levels in the environment, reducing the possibility of the material splinting and splitting.

PAINTING AND STAINING
WPC can be painted and stained.

IMPROVED WEATHERING
WPC is self skinning, forming a smooth surface improving the weathering of the profile, reducing bowing, cracking or warping.

ONSITE ALTERATIONS
WPC can be screwed, nailed, glued and pinned and additional alternations can be made using standard joinery tools.

Material Portfolio
RIGID PLASTIC

Rigid profiles can be either single material types or co-extruded using a combination of rigid and flexible material types. The rigid profiles we extrude are commonly used in automotive, partitioning, glazing, display and roofing market sectors. Learn More...

FLEXIBLE PLASTIC

We provide co-extrusion and triplex extrusion providing combinations of material types and colours. The Flexible plastic profiles that we extrude are commonly used for sealing systems or connecting sections between two components. Learn More...
**SOLID RUBBER**

We can extrude single or co-extruded rubber profiles combining various material types and colours. We provide cording to reduce shrinkage and silicone application. The profiles we extrude in rubber are commonly used in glazing and curtain walling. Learn More...

**SPONGE RUBBER**

We extrude a range of sponge densities and offer co-extruded profiles combining various sponge densities into a single profile. The profiles we extrude are commonly used in automotive, guttering and marine. Learn More...