



DECKING - WALL CLADDING - BEAM



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Natural Teak
Filler

+

Recycled
HDPE

+

Additives

=

TPC Composite



Teak Polymer Composite

Destination Green Teak Polymer Composite is a durable, circular, low-maintenance and environmentally friendly bio-composite. 80% of its composition originates from recycled materials on top of which it is 100% recyclable.

European Engineered

This composite is developed by the Compound Company in Enschede, the Netherlands. Their goal is to supply the European engineering and construction industry with an alternative for wood that is more durable and reduces the demand for deforestation. Besides its development, the most important quality related additive, Yparex®, is also produced in Enschede.

Circular

Made from 80% recycled materials of which 70% organic.

Environmentally friendly

100% recyclable

Low maintenance

No repainting required, long lifespan, doesn't rot or crack.

10 year warranty



Applications

Besides the most common applications such as wall cladding and decking, our bio-composite is also suitable for more advanced applications, such as boat decks and furniture components.

Quality

Resulting from the high density of our composite: 1.460 kg/m³, it barely absorbs any water. Low water absorption assures that it hardly expands in comparison to its substitutes, making it very suitable for exterior applications.

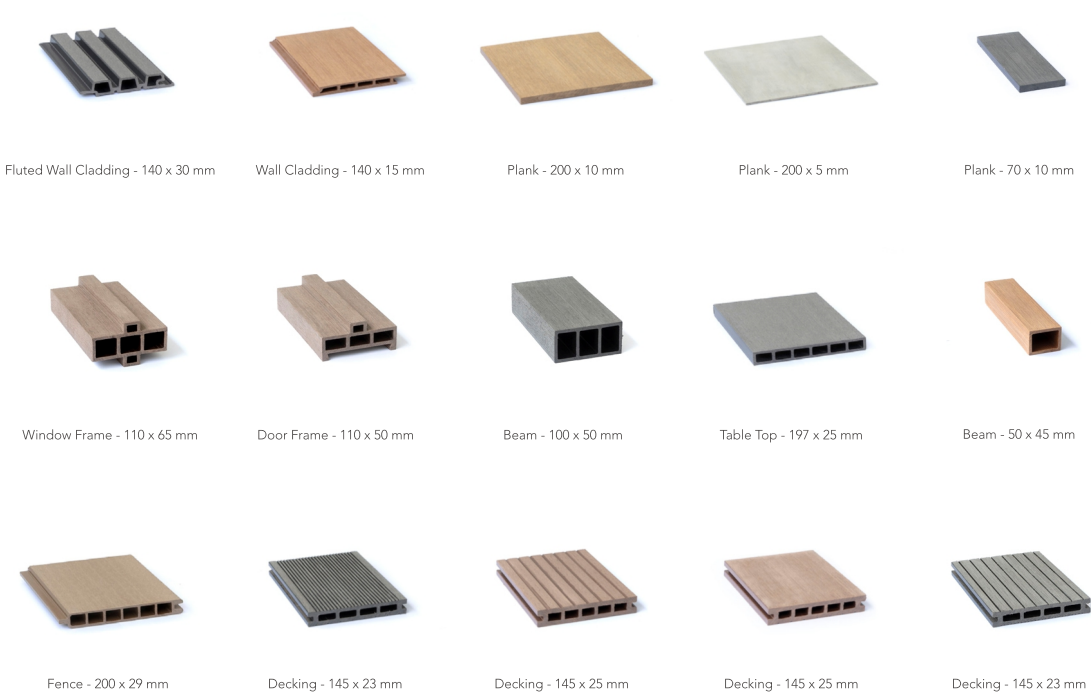


Profiles

The larger portion of our products are made by extruding the compound. Most extrusion currently happens in our facility in Asia. In the middle of 2022 we will also set up an extrusion line for wall cladding in the Netherlands, so that we can tailor to the European market with more speed and flexibility. At the moment we carry a collection of over 18 different profiles, which we are constantly expanding.

Injection Molding

It is also possible to fabricate with bio-composite by injection molding. With some minor adaptations to our compound we can offer a wide variety of products, as for example seat shells. By doing so we do not only offer an alternative for wood, however, also a greener alternative for products that are currently fully made out of plastic.



10115 - Oak Brown



10116 - Teak



10117 - Weathered Grey



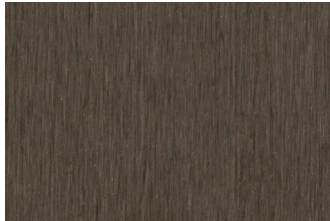
10118 - Ebony Grey



10119 - Walnut Brown



10120 - Natural Maple



10123 - Coffee Brown



10122 - Light Grey



10121 - Burmese Teak

Colors

Teak Polymer Bio-Composite is naturally grey brownish. It is, however, possible to give bio-composite another color by adding color pigments to the mix during the production process. This way we can make every color that lies in between beige and black.

Custom Color?

For larger projects or specialized products it is possible to develop new and additional colors. We can develop and mix the desired color in our own in-house lab.

Durable

Since the color pigments are mixed in with the compound the color is identical throughout the entirety of the material, as opposed to varnished or otherwise coated products. In the event that the material does get dirty or damaged only mild sanding is required. This will make the material appear just as it did when it originally arrived, without it needing to be painted. Our composites also contain an anti-uv, guaranteeing minimal fading as a result of extreme sun.



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Bio-Composite



Tropical Wood

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