

**RESOURCE GUIDE 12.6**



**Moodie**  
Outdoor Products

**SITE FURNITURE: CARBON FIBRE**

**• EUROMODUL PAPILLON**

\* Large standard range

\* Custom work is welcomed

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During the night hours, an automatic light illuminates the wings of the Papillon urban element reflecting ambient light on the benches and the environment around the pillar.



**PAPILLON**  
urban element



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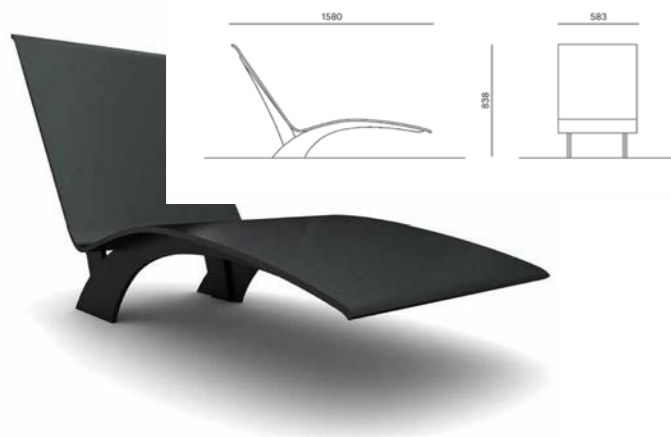
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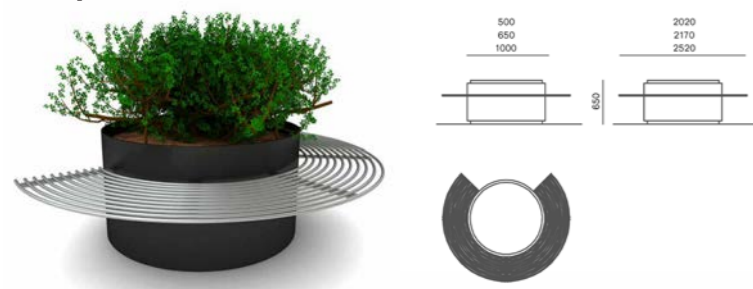
**Parabolica** moodie web item 97002420



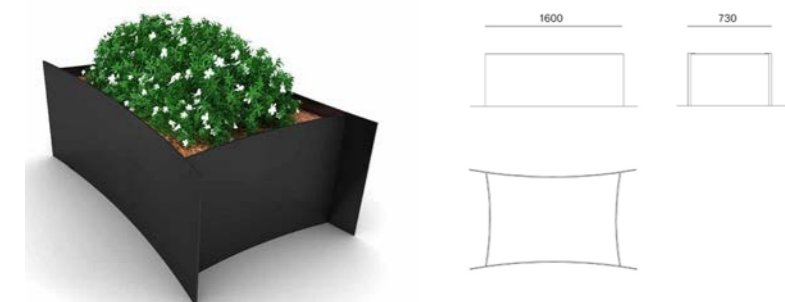
**Tamburello** moodie web item 97003380



**Hairpin** moodie web item 97003652



**Sachs** moodie web item 97003659



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**Carbon Fibre**

is a material consisting of extremely thin fibers about 0.005-0.010 mm in diameter and composed mostly of carbon atoms. The carbon atoms are bonded together in microscopic crystals that are more or less aligned parallel to the long axis of the fiber. The crystal alignment makes the fiber very strong for its size. Several thousand carbon fibers are twisted together to form a yarn, which may be used by itself or woven into a fabric.

The properties of carbon fiber such as high tensile strength, low weight, and low thermal expansion make it very popular in aerospace, civil engineering, military, and motorsports, along with other competition sports.

**Gelcoat**

A gelcoat is a material used to provide a high-quality finish on the visible surface of a fibre-reinforced composite material. The most common gelcoats are based on epoxy or unsaturated polyester resin chemistry. Gelcoats are modified resins which are applied to moulds in the liquid state. They are cured to form crosslinked polymers and are subsequently backed up with composite polymer matrices, often mixtures of polyester resin and fiberglass or epoxy resin with glass, aramid and carbon fibres.

Many marine craft and aircraft are manufactured using composite materials. Gelcoats are designed to be durable, providing resistance to ultraviolet degradation and hydrolysis. The gelcoat will often carry a pigment that provides the finish colour to the moulded item.

**Carbon fiber use in street furniture**

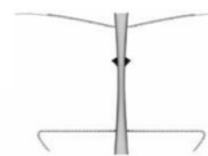
EUROmodul is the first company to introduce this exceptional, highly complex material in the world of street furniture.

Try this unique design combination of stainless steel and carbon fiber on your next project.

front view  
1990mm



side view  
4400mm



top view  
4400mm



Ready to take off?  
Combination of black and white carbon fiber wings gives the effect of a butterfly.

moodie web item 97002011