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Outdoor Products

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## Resource Guide

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### Site Furniture EUROmodul Papillon - Carbon Fibre



Large standard range • Custom work is welcomed



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97002420 - PARABOLICA



97003380 - TAMBURELLO



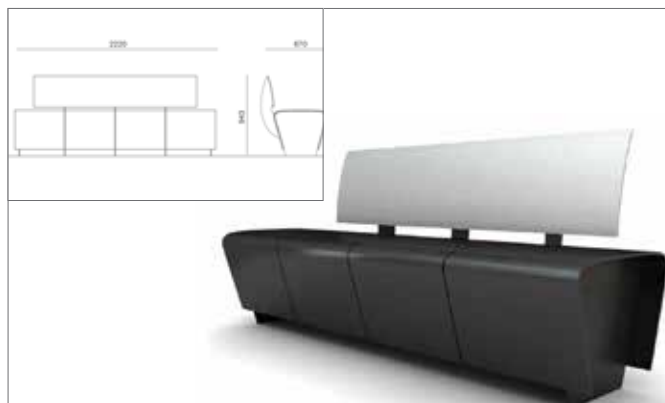
97003652 - HAIRPIN



97002442 - RASCASSE



97003659 - SACHS



97002440 - RASCASSE WITH BACK SUPPORT

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#### CARBON FIBRE

Is a material consisting of extremely thin fibres 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 fibre. The crystal alignment makes the fibre very strong for its size. Several thousand carbon fibres are twisted together to form a yarn, which may be used by itself or woven into a fabric.

The properties of carbon fibre 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.

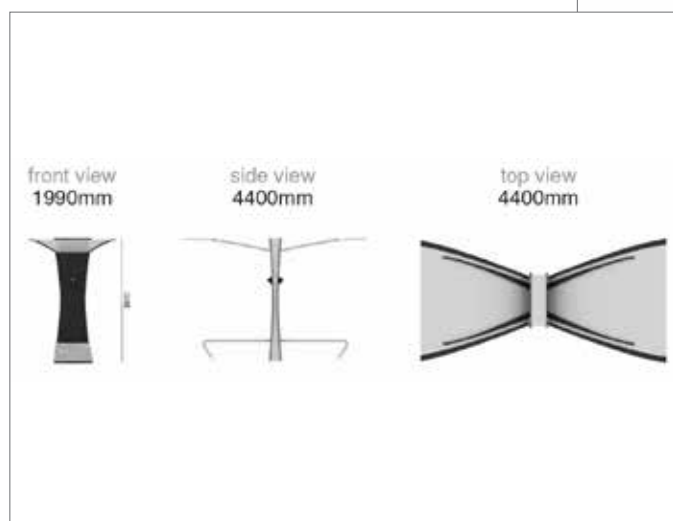
#### GEL COAT

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 fibreglass 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 FIBRE 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 fibre on your next project.



97002011

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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.

