

Organisation Profile Detail: Performance Carbon Weave



Organisation Details

Name, type, number, website

Full name: **Performance Carbon Weave**
Type of organisation: **Limited Company**
Registration number: **06426697**
Website: **The organisation has not entered any web site information.**



Organisation Description

Further details on activities, where provided

Materials & Engineering and Pre Revenue



Location

Addresses for this organisation

This organisation has not added a contact address on to Inngot

Registered Office Address: **URBAN VILLAGE
221 HIGH STREET
SWANSEA
WALES
SA1 1NW
GB**



Activity Sector

What the organisation does

Registered super-sector: **INDUSTRY**
Registered sector: **Materials & Engineering**



Functions

Types of activity at this organisation

The organisations functions include: **Research
Design
Engineering**



Verified Status

Whether key details have been checked by Inngot

This data has not been verified by Inngot

Innovation Profile Detail: Modulus 9X Carbon Fibre Reinforced Nylon



Name of Innovation

Modulus 9X Carbon Fibre Reinforced Nylon



Description

Performance Carbon Weave has many years' experience working with high performance composites, in particular perfecting combinations of polymers and weave patterns to create optimum strength. Modulus 9X was designed to replicate many of the most desirable properties of conventional carbon fibre, notably its high strength/low weight, in a less brittle and significantly more cost-effective material. In developing Modulus 9X, Performance Carbon Weave used nylon rather than epoxy resin, which combined with a unique proprietary weave pattern has created a material which is particularly resistant to impact. Because the dry layup process is quicker and less wasteful than other manufacturing methods. Modulus 9X can be more accessibly priced. Also, Performance Carbon Weave has the facilities to produce large pieces in short timeframes, making it ideal for civil engineering applications (especially retrofitting) as well as series production of standard parts.



Know-How

Technologies & expertise employed

Within the category:

The organisation utilises know-how in

Art & design

Product design

3D design

CAD/CAM

Within the category:

The organisation utilises know-how in

Chemistry

Chemical engineering

Within the category:

The organisation utilises know-how in

Engineering science

Civil engineering

Materials engineering

Mechanical engineering

Thermodynamics

Electrical engineering

Within the category:

The organisation utilises know-how in

Mathematics

Mechanics

Number theory

Within the category:

The organisation utilises know-how in

Medical science

Pharmacy & pharmacology

Within the category:

The organisation utilises know-how in

Performing arts

Music performance

Within the category:

The organisation utilises know-how in

Physics

Polymers



Benefits

Unique selling points

The organisation claims the following **Absolute** benefits (Quantifiable, inherent performance improvements):

Durability - Higher strength leading to improved lifetime value

Flexibility - Ability to withstand twisting and bending forces without breakage

The organisation claims the following **Relative** benefits (Benefits that are measurable, but are by nature comparative):

Cost reduction - Providing established performance attributes at lower cost

Process efficiency - A new and improved way of achieving an existing process outcome

Sustainability - Reduction of waste by-products or increased use of renewable resources

Risk reduction - Reducing the likelihood or impact of undesired outcomes

Yield improvement - Greater value or volume of output

Environmental impact - A process which reduces environmental damage or provides environmental benefits

The organisation claims the following **Abstract** benefits (Advantages that may not be scientifically measurable):



Market Sectors

Current or potential target markets

Target Sector:

Construction & built environment

Target Sector:

Environmental technology

Primary sub-sector(s):

Energy conservation

Domestic waste treatment

Environmental measurement

Goods from industrial waste

Land remediation

Energy from biomass

Energy from waste

Fuel cells

Target Sector:

Food & drink

Target Sector:

Housing, clothing & textiles

Target Sector:

Leisure & lifestyle

Target Sector:

Aerospace, Defence and Security

Primary sub-sector(s):

Aerodynamics

Target Sector:

Automotive & Transport



Development Stage

From idea to established offering

This innovation is currently classified as:

Established

Within this category, its stage is:

Early - Multiple customers have purchased and used this innovation. The company has the capacity to deliver it predictably on a repeat basis. An income stream is being established.



Registered Rights

Patents, Trademarks and Designs

The organisation indicates that it has a:

Trade Mark

The registered number is:

2507468

The classes for this mark are:

12,17,19

The indicated status of this right is:

REGISTERED

The description is as follows:

Carbonweave

The organisation indicates that it has a:

Trade Mark

The registered number is:

2507502

The classes for this mark are:

12,17,19

The indicated status of this right is:

REGISTERED

The description is as follows:

Modulus 9X



Intellectual Assets (27)

Inventory of Intangibles

Within the category of:

Copyright

The assets being claimed are:

Notebooks - Research or laboratory notepads, production notes, sketchbooks and other informal records of inventions, experiments or designs (which should be stored securely)

Software code - Unique computer program(s) developed or acquired and owned by the organisation which support its everyday operations

Database right - Compilations of data held on computer gathered in the ordinary course of business and regularly updated (not including customer lists)

Publications - Original written works created by the organisation that have been commissioned or published by an independent party, such as books, magazines, plays, features and articles in scientific journals

Test results - Proprietary research data relating to the performance of this innovation (beyond notebook records)

Artistic works - Covers graphic, photographic, sculpture, collage, engraving and similar work. Includes architectural designs (buildings or model buildings) and craft-based works

Within the category of:
The assets being claimed are:

Marketing literature - Information produced by the organisation (in print or electronically) that features a distinctive typographical layout, such as brochures and catalogues

Website (informational) - A website used to promote the organisation and attract customers

Dramatic works - Original performances, including drama, dance and mime

Resources

Proprietary end product - One or more products or product ranges which are distinctive by virtue of their characteristics or capabilities (i.e. what they are or what they do), including their suitability for specific purposes or applications

Unregistered designs - Distinctive product styles associated with the company for which no formal design registration application (national or international) has been made

Know-how (specialist & technical) - Specialist technical knowledge (i.e. not generally available) which contributes to the delivery of products, services, processes, business models or solutions that are distinctive in their marketplace

Unregistered trademarks - Trading styles (words or images, including logos) associated with the organisation within its target markets for which no formal trade mark application (national or international) has been made

Know-how (negative) - Knowledge derived from research & development of ineffective or non-productive areas of enquiry related to the innovation

Trade secret - Knowledge built into the organisation's products, services, processes, business models or solutions that is exclusively owned, for which strict measures are in place to protect confidentiality

Within the category of:
The assets being claimed are:

Contracts

Agent/distributor/ reseller agreements - Contracts with third parties which enable the organisation to sell or distribute its products or services more widely

Employment contracts/service agreements - Signed documents (and associated confidential information) setting out the organisation's rights of access to employee intellectual capital and ownership of knowledge outputs

Domain Names - Web domain names that describe or otherwise enhance value

Non-disclosure, confidentiality and/or standstill agreements - Agreements which require secrecy to be maintained between the organisation and one or more third parties

Supplier contracts - Agreements which secure access to external resources or materials needed by the firm, which may include preferential terms

On-going customer agreements - Subscription, service, maintenance, support or training contracts that deliver repeat income and sustain customer relationships

Within the category of:
The assets being claimed are:

Endorsements

Quality approval - Achievement of a relevant recognised quality standard

Grant or tax relief recipient - Successful application(s) for funding or preferential tax treatment for R&D or creative activity

Within the category of:
The assets being claimed are:

Relationships

First mover advantage - Current provision of a product or service which is the demonstrably the first of its kind within an existing market category, or which has created a new category

Supplier knowledge - Unique, preferential or specialist knowledge of materials, products or services needed to underpin customer value and/or maintain competitive advantage

Customer/market knowledge - Unique, preferential or specialist insights into customer requirements, including needs and decision-making processes

Customer lists - Records of customers, their historical buying patterns and specifications