

FIREDRAGON

Clean Bio Fuel Cooking Solution



firedragonfuel.com



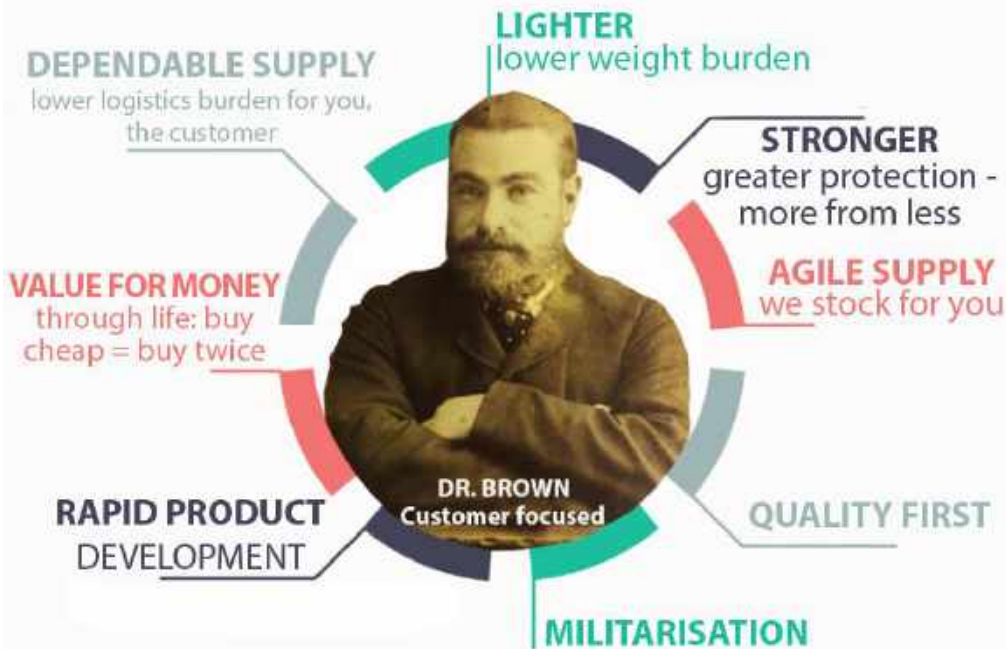
Long, Trusted History

- **1854** Started in business
- **1914** BCB Ltd registered as a company
- **1979** BCB International Ltd registered

Browns Cough Bottle = BCB

As supplied to British troops in the Crimea

YOUR CHALLENGES, WE SEE AS OPPORTUNITIES, WE CAN HELP YOU



Our Mission Statement:

‘Saving & Protecting Lives in Hostile Environments’



Award Winning

- 2 x Queens Award for Export achievement
- 3 x Soldier Technology Awards
- Sunday Times Best company to work for
- 2 x Welsh Innovation Awards
- Business Language Champion





Prime contractor

BCB have established good, long-term relationships across Military, Marine & Leisure sectors, including relationships lasting over 60 years with DE&S, UK MoD, RFD & more than 30 years with the UN.



Ministry
of Defence



NATO Approved



Ministry
of Justice





SAVING LIVES
THROUGH
INNOVATION

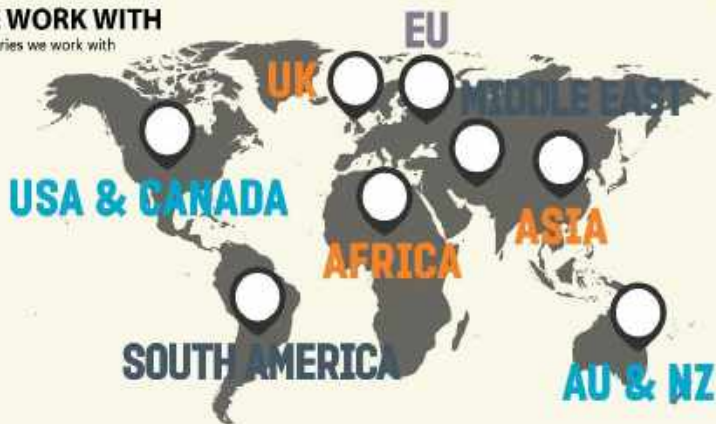
163 YEARS IN
BUSINESS

CELEBRITIES

- PRINCE HARRY
- LEONARDO DI CAPRIO
- TOM CRUISE
- CRAIG DAVID
- OLLY MURS
- SCOTT MILLS
- JEREMY BOWEN
- SIR RANULPH FIENNES
- RAY MEARS
- SIR RICHARD BRANSON

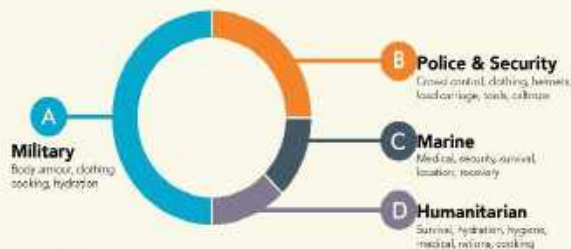
WE WORK WITH

Countries we work with



MAIN INDUSTRIES

The main industries we provide goods to



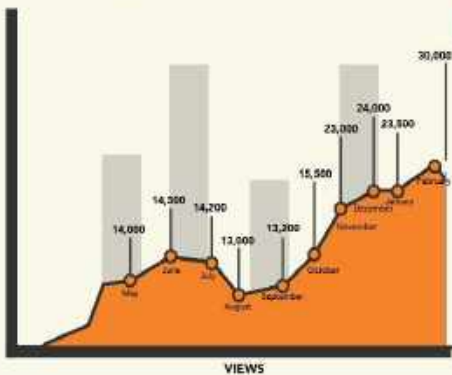
THE TEAM

A team of smart, creative people!



WEBSITE GROWTH

Growth of our website.



3 FACTORIES
IN WALES

BEST SELLING PRODUCTS

Our best selling products



MAJOR
INDUSTRY AWARDS

8

Queen's Award x 2
Totale Technology Award x 3
Wales Innovation Award
Best Small Companies To Work For
Cannibal Award

WWW.BCBIN.COM
WWW.BCBINUSA.COM
WWW.FIREDRAGONFUEL.COM



BCB International Ltd. Corporate Structure

DEFENCE SALES

MARINE

Marine Manager



Stephanie Frieze-Davies
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Business Development
Manager



Stuart Morris
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Business Manager



Emily Howell
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EUROPE

UK MoD



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E.U Military



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Vehicle Consultant



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Business Development
Manager



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International Intern



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Account Assistant



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SOP



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Factory Supervisor



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Stock Control



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Purchasing



James Firmin
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Quality Assistant



Lesley Baker
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MANAGING DIRECTOR

BCB International



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Director's PA



Kelsey Kellett
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FIREDRAGON

FD Operations
Manager



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Chemist



Ben Harrison
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ACCOUNTS

Finance Controller



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MARKETING

Marketing Manager



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Designer



Jay Rixon
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Junior Graphic
Designer



Anja Quinn
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QUALITY

Quality Manager



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MANAGING DIRECTOR

BCB Adventure



Janey Howell
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ADVENTURE SALES

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Becky Ratcliffe
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UK Leisure



George Carter
gc@bcbin.com

R & D

Design



Alison Morgan
al@bcbin.com



Quality Assured

- Accredited to ISO 9001:2015
- ISO Approved to since 1993
- Over 400 N.A.T.O. approvals & many SOLAS approvals



Certificate of Approval

This is to certify that the Management System of:

BCB International Ltd

Lamby Industrial Park, Wentloog Avenue, Cardiff, CF3 2EX, United Kingdom

has been approved by LRQA to the following standards:

ISO 9001:2015

David Derrick - Area Operations Manager UK & Ireland

Issued by: Lloyd's Register Quality Assurance Limited

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

Current issue date: 21 August 2018
Expiry date: 31 January 2020
Certificate identity number: 10119979

Original approval(s):
ISO 9001 – 21 August 2018

Approval number(s): ISO 9001 – 00015709

The scope of this approval is applicable to:

Manufacture of cosmetic and skincare products, sewn items, tentage repair, maintenance and associated training, tools and light engineering products, rations, first aid kits and survival equipment. Wholesaling and distribution of defence, security, humanitarian aid items, camping and marine and survival equipment. Manufacture, subcontract manufacture and wholesaling of marine survival equipment, including search and rescue security equipment. The distribution of wholesale or retail safety, survival and outdoor leisure goods for use by the general public including solid and gel fuel.



001



Prime Manufacturer



Fuel



Camouflage Cream



Creams - liquids - powders



Sewing & heavy textiles

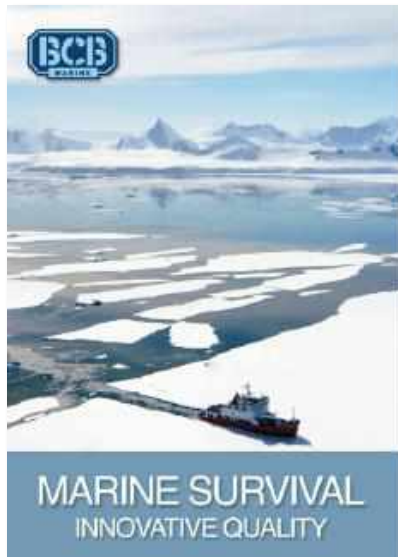


Kits & Packs

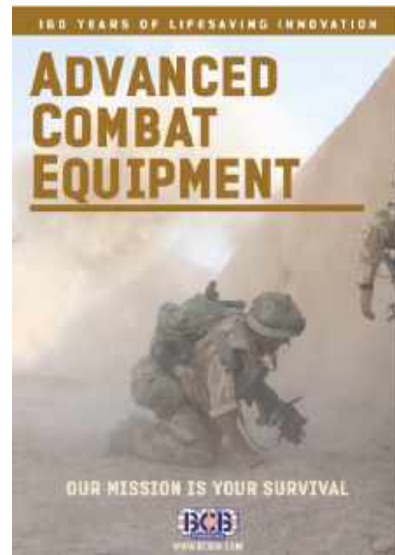


BCB operates in four market sectors

Marine



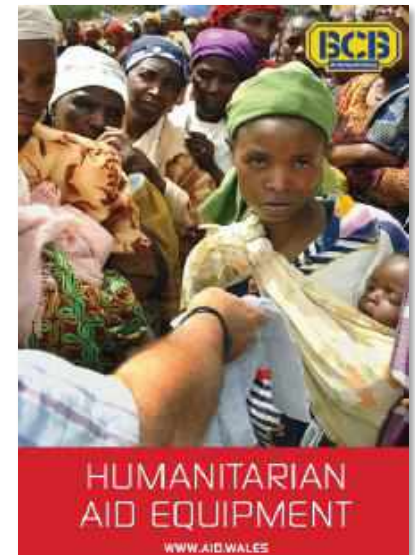
Defence



Camping & Outdoors



Humanitarian Aid Equipment



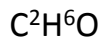
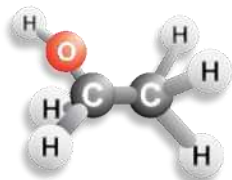


The Eco Solution - **FIRE**DRAGON

"All life on Earth now depends on us..." Sir David Attenborough

Based on bio-ethanol, **FireDragon** is sustainable & **not a fossil fuel**.

It is a safer fuel for both the user & the environment.



The secret is in the chemistry....

Ethanol has a very short chemical chain = easy to release the energy
Ethanol contains its own oxygen = hotter more complete combustion =
less fuel needed

FireDragon's bio-ethanol purity is very high at approximately 96%.

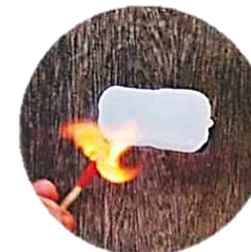
**Clean, Green
& Sustainable**



Hand Cleanser



All-Weather



**Quick & easy
to light**



Clean burn



FireDragon gives off very little smoke, soot or smell when burnt



Key Features - **FIREDRAGON**

- ✓ **Quick & easy to ignite** - with just a spark from a flint, lighter or match.
- ✓ **Works when wet** - can be used in the rain, snow & extreme weather conditions.
- ✓ **Air transportable** - UN Class 4.1. Packing Group III.
- ✓ **Easy to store & handle** - Extremely lightweight & safe to be packed with food.
- ✓ **Waterless antibacterial hand cleanser** - A natural disinfectant & can be used as a waterless soap.
- ✓ **Does not affect the taste of food.**
- ✓ **Low risk of fire or explosion**
- ✓ **Halal**



FireDragon had an average ignition time of 2 seconds when lit with a flint.

Solid fuel is:

- **Safer & easier to add more to your fire**
- **No burning spills running everywhere**
- **Non-toxic – safe to handle**
- **Easier & safer to transport & store**
- **Safer & easier to use than gel or liquid**

FireDragon can be used with most stoves

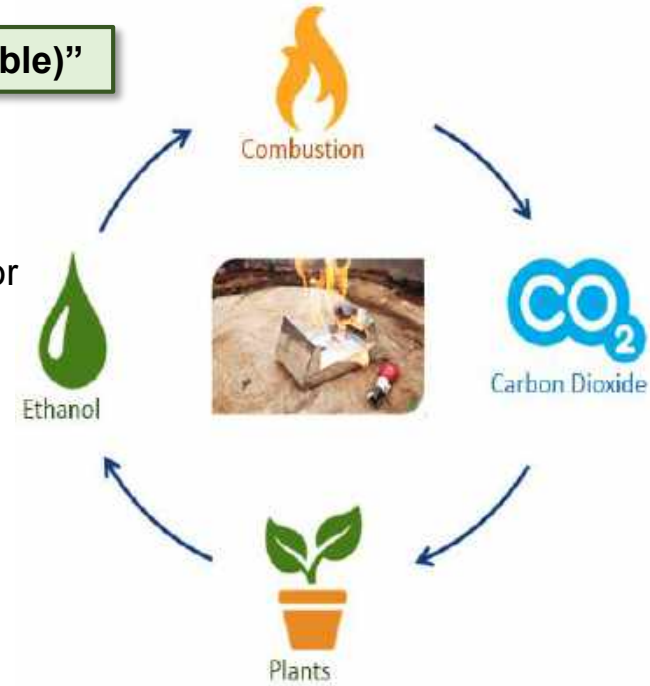




Renewable Fuel - FIRE DRAGON

“Ethanol is the cheapest amongst the clean fuels (modern & renewable)”

- ✓ Made from dissolving & fermenting waste plant biomass material.
- ✓ **A truly renewable fuel**
- ✓ **Non-toxic & odourless** - burns without copious quantities of noxious or toxic fumes, very little soot, smell or smoke.



FireDragon fuel is the only solid form of ethanol available



FireDragon fuel = Gold Standard of Carbon Credits





High Performance - FIRE DRAGON

FireDragon is more efficient (28 MJ/Kg) than kerosene, methyl esters, or paraffin.

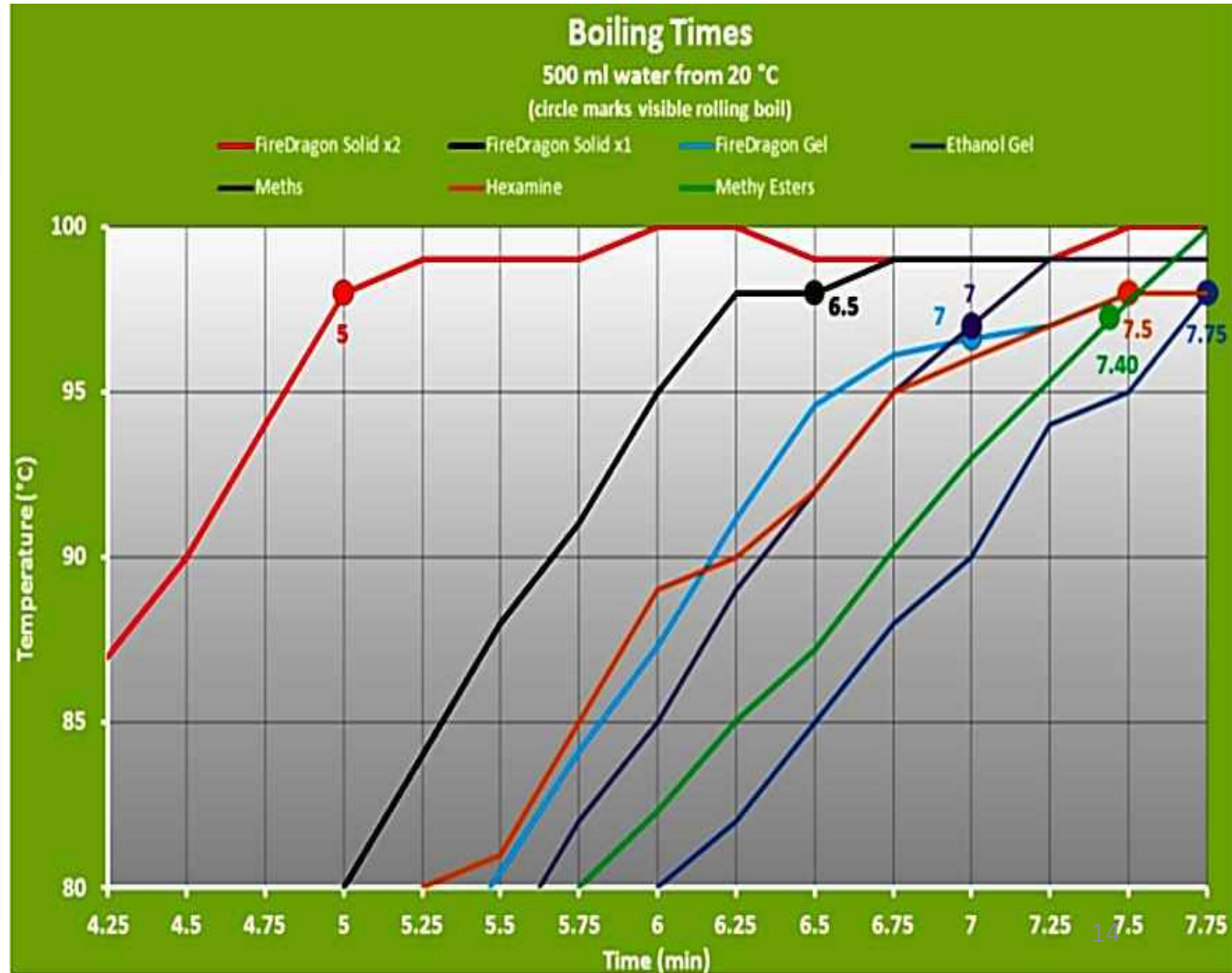
In extensive field & laboratory testing by the **British Army**, **FireDragon** proved to be the **best of all solid fuels tested**.

500 Grams of FD = 1100 grams of hardwood so **FireDragon** is more than twice as efficient as wood

FireDragon releases more heat energy & at a faster, more consistent rate within the first 5 minutes of burn compared to other solid fuels tested.

Quick initial intense burn to get to boiling point quickly.

500 grams of **FireDragon** generates 94.7% less PAH's than 1100 grams of dry hardwood. PAH = Polycyclic Aromatic Hydrocarbons





IntenseBurn - Ethanol dumps its energy very quickly

	Hexamine	Trioxane	Butane Gas	Methyl Ester	FireDragon
Non-Toxic	X	X	✓	✓	✓
Renewably sourced	X	X	X	✓	✓
Suitable for extreme conditions(wind & rain)	X	✓	✓	✓	✓
Burns whilst wet	X	X	✓	X	✓
Easy to ignite	X	X	✓	X	✓
Low odour	X	X	✓	X	✓
Hand cleanser	X	X	X	X	✓
Low soot	X	X	X	X	✓
Long shelf life	✓	✓	✓	✓	✓
Air transportable	✓	✓	X	✓	✓
Indoor & outdoor use (provided suitable airflow)	X	X	✓	X	✓
Low luminosity flame	X	X	✓	X	✓
Made in the UK	X	X	✓	X	✓

It offers the fastest water boil time of any solid fuel we have tested.

FireDragon is over 2 minutes faster than the second best performing fuel.

Meths boiled the same amount of water in 7 minutes, hexamine in 7.5 minutes & liquid ethanol in 7.75 minutes.

Performance varies depending on cooker & weather conditions, however a block of **FireDragon burns for approximately 8 minutes** (2 blocks - 12 minutes) & boils 500ml of water in just 5 minutes.



FIREDRAGON

NEW retail packaging

Gel Fuel Pouches

The pouch is robust, and quick & easy to open. Ideal for packing in your rucksack. Available in 200g or 1 litre.



Solid Fuel Pouches

Eco-friendly, recyclable & attractive pouch which can be conveniently displayed either stacked or hanging. Lightweight, low-bulk, easy to store & open. Available in pouches of 6 or 18.

Firedragon Cooker

Designed specifically for use with fire dragon solid fuel. Compact, lightweight, folding design. Compatible with many other fuels.

Solid fuel blocks

Packaged in a handy pouch which can be conveniently displayed in its shelf display outer or hanging on euro hooks. These packs are then packed a convenient shelf display box.

Available in **2 attractive retail pack sizes**.
Containing either **6** or **18** large individual 1 oz (27g) blocks



Each large block is individually wrapped

- ✓ 1 oz (27g) portioned cube
- ✓ Low bulk
- ✓ Lightweight
- ✓ Easy storage
- ✓ Easy to open
- ✓ Recyclable packaging

* Safer than liquid or gel fuels

Gel pouches

FireDragon Gel is supplied in two sizes: 8.8oz (250g) & 35oz (1kg) with integral handle on the larger pouch.

Then packed in a shelf carton for display.

- ✓ Convenient to squeeze out.
- ✓ Ideal for use in multi-fuel outdoor cooking stoves & barbecues, as well as for lighting indoor or outdoor fires.

- ✓ In driving rain, the freezing arctic or searing heat, the fuel will perform in extremes of conditions.

- ✓ Perfect for packing in your rucksack.
- ✓ Folds flat when empty.
- ✓ Less waste.





FIRE DRAGON

Other items in the range

(1 Litre) 35oz Liquid Fire Lighter



- ✓ **FireDragon** Liquid fuel is an ideal companion for all outdoor pursuits. Whether in driving rain, the freezing arctic or searing heat, the fuel will perform in extreme conditions.
- ✓ Can be used in multi-fuel outdoor cooking stoves & barbecues as well as all ethanol stoves.
- ✓ Easy to light.
- ✓ With child-safe cap & pouring nozzle.

Fireball flint & striker Grand



- ✓ Comfortable, safe & easy to use
- ✓ Includes a small liquid filled button compass in the handle
- ✓ The flint & striker slide & lock together
- ✓ The long flint gives a great shower of hot sparks
- ✓ Quick to light **FireDragon**
- ✓ Use many thousands of times
- ✓ Non-hazardous to ship unlike matches or lighters

Folding Cooker

- ✓ Compact & low cost
- ✓ Easy & quick to use
- ✓ Lightweight (110g)
- ✓ Retractable side walls
- ✓ Supplied with a removable windshield to enhance extreme weather performance
- ✓ Efficient cooking
- ✓ **NATO** approved



Multi Fuel Cooking System

The 5 piece Dragon System includes:

- Drinking cup
- Canteen 950 ml (3oz) water bottle
- Cooking cup
- Multi-fuel cooker
- Belt-mounted compact carrying pouch

- ✓ Quick, efficient cooking fuel
- ✓ The metal cup is hard-anodised, giving it an easy-to-clean finish
- ✓ The compact pouch has belt loops



Current packaging for cash & carry



Within 3 months Packaging for major retailers





FIRE DRAGON

Retail promo

FIRE DRAGON

ECO FRIENDLY FIRELIGHTERS

- NON-TOXIC ✓
- ODOURLESS ✓
- 100% NATURAL ✓

MADE IN THE U.K.

FIRE DRAGON

ECO FRIENDLY
SAFER SOLID FIRELIGHTER

RRP **£5.99**

18 Pack

£88.88

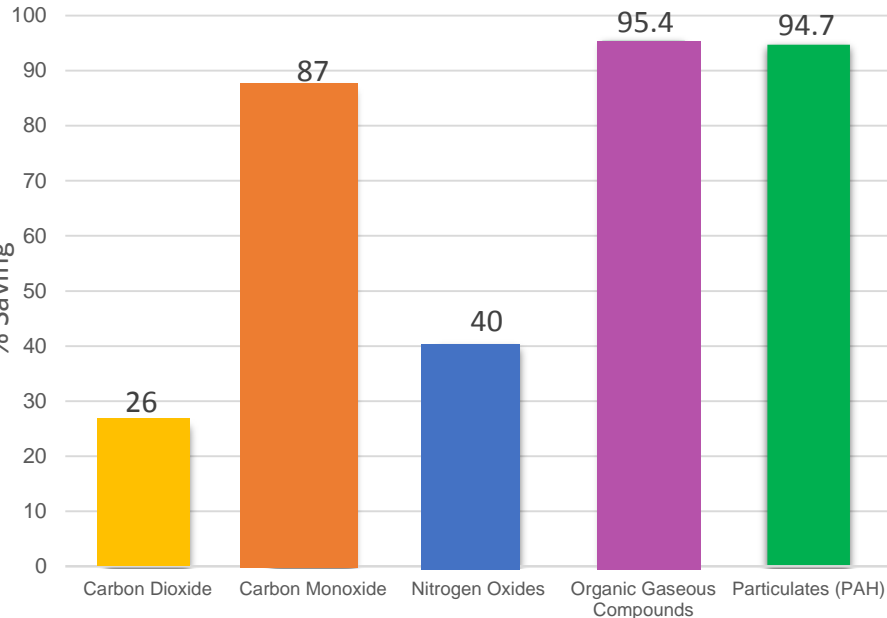
FIRE DRAGON

ECO-FRIENDLY
FIRELIGHTER

FIRE DRAGON

SCAN HERE TO WATCH
OUR SHORT VIDEO

Greenhouse Gas Emissions % of savings of using FireDragon compared to hardwood



500 grams of FD = 1100 grams of hardwood = same heat output

BSRIA Report 26th September 2019

The American EPA estimates that a fire burning for 1 hour, will burn @ 4.5 kilos of wood & will generate 4,300 times more carcinogenic polyaromatic hydrocarbons than 30 cigarettes.

- 1 kilo of wood burnt, gives off the same amount of level 1 (the worst) PAH carcinogenic compounds as 27,333 cigarettes.
- The compound, benzo (a) pyrene, can travel 1000 km & once deposited can remain in land or water for years
- Burns clean, very little smoke, smell or soot given off
- Made from **sustainable natural bioethanol**
- Does not affect the taste of food
- Non-toxic
- Odourless burn



FireDragon – Very little soot given off