



TOP COVER

MULTI-SPECTRAL CAMOUFLAGE (MSC)
SURVIVABILITY



SOLDIER FORCE PLATFORM INTERGRATION



OWN THE DAY, OWN THE NIGHT.

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INTRODUCTION

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CAMOUFLAGE SPECIALISTS:

EXPERIENCE AND INNOVATION COUNT

BCB International Ltd, a longstanding British manufacturer of defence protective equipment, has been at the forefront of innovation **since its inception in 1854.**

Over the decades, BCB has played a vital role in enhancing the safety and effectiveness of military personnel, particularly through **our development and manufacture of camouflage systems since the 1980s.** Some of our systems have been a standard issue for British and NATO forces, providing essential concealment across various environments.

In response to evolving threats, particularly following the **2014 Russian invasion of Crimea**, and their increased use of drones, BCB embarked on a mission to advance camouflage technology. Partnering with a local university, we focused on creating **Multi-Spectral Camouflage (MSC) technology designed to offer superior thermal and visual concealment.**

Rigorous trials conducted in diverse environments—including snow, desert, and combat zones like Ukraine—have consistently proven the technical and practical advantages of our MSC technology.

Our commitment to practical, field-ready solutions is evident in the design of our three differing MSC materials. All are also engineered to be:

- **lightweight**
- **robust**
- **water-resistant**
- **reversible.**

Ensuring that they meet the high demands and best protection currently available for you, our defence forces.

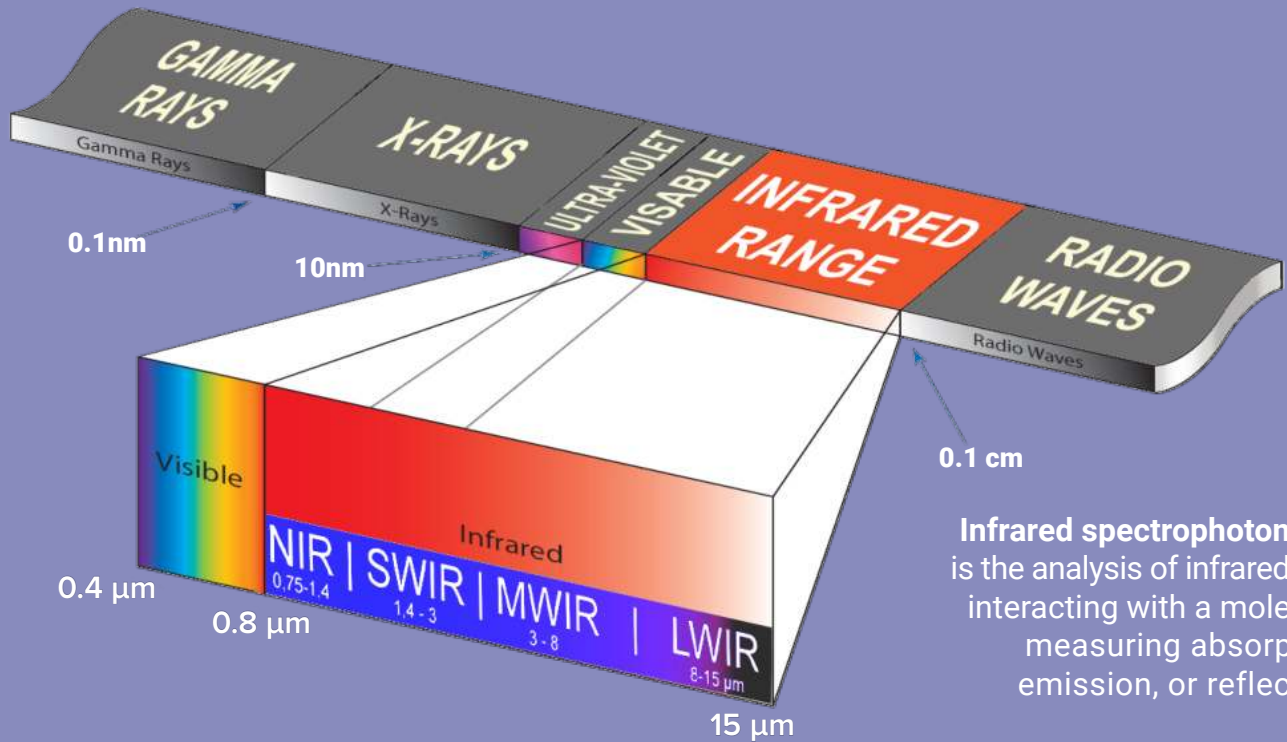
Each of **our three MSC materials**, we then manufacture into the differing practical systems, shown in this catalogue. By blending (if necessary) the differing materials into finished systems which best fit your needs, to deliver outstanding:

- **Visual camouflage**
- **Thermal and radar properties depending on your operational needs.**

Our MSC technology stands out not only for its advanced concealment capabilities but also for the practical benefits it offers to those on the front lines.

Ensuring you remain unseen and protected in the most challenging conditions.

MULTI-SPECTRAL CAMOUFLAGE (MSC)



Infrared spectrophotometry is the analysis of infrared light interacting with a molecule, measuring absorption, emission, or reflection.

Infrared refers to the spectral region with wavelengths ranging from 0.75 μm to 15 μm. It is loosely divided into sub-regions: Narrowwave (NIR), Shortwave (SWIR), Midwave (MWIR) and Longwave (LWIR).

Temperature measurements conducted with thermal cameras rely on the electromagnetic radiation, or energy, continuously emitted by bodies, thanks to their thermal content, and surface temperature: to sense the infrared.

This is why our camouflage fabrics have low emissivity, as well as anti-thermal properties.

Humans 'glow' in the mid infrared and are most prominent at about 10 microns wavelength.

The energy flow also depends on the surface emissivity and the wavelength range of the radiations emitted.



Watch the video here:



Top picture shows the 105 mm howitzer hot barrel after firing multiple rounds, with the rest of the gun and crew thermally hidden behind our MSC.

Bottom picture shows the hot barrel, and the gun covered, apart from one crew member. The drone is approx. 20 m away.

OWN THE DAY- OWN THE NIGHT!

GAIN THE TACTICAL ADVANTAGE

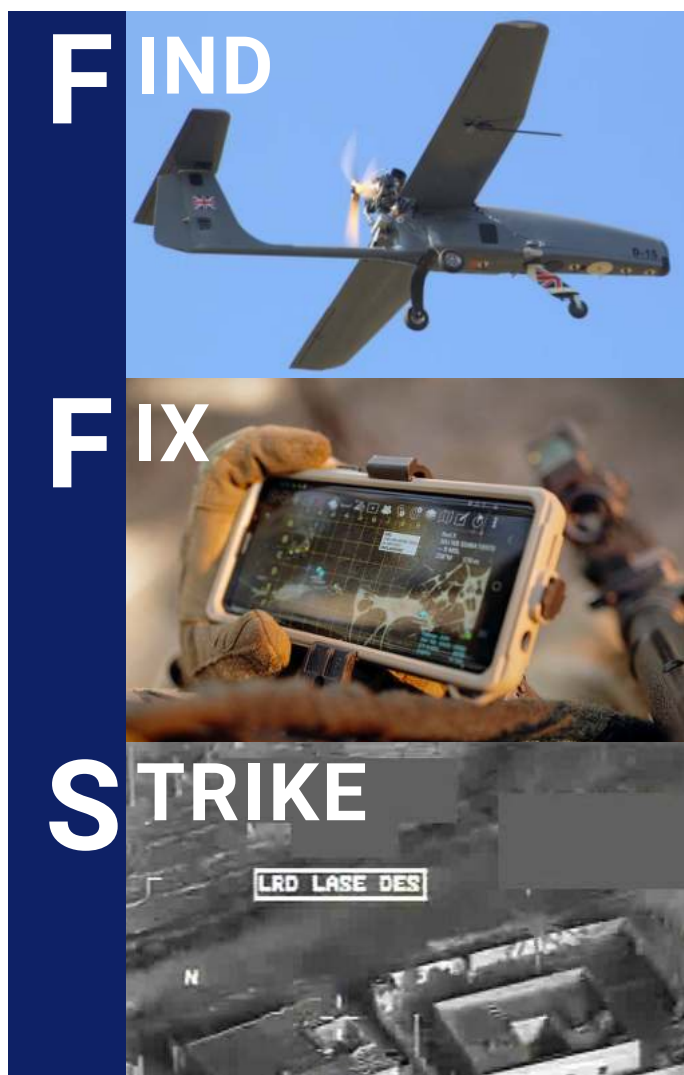
REDUCING SHAPE - SHINE - SHADOW - SILHOUETTE
THE SCIENCE OF CONCEALMENT

At BCB, we understand the pace of technological change. Innovation is in our DNA and we carefully monitor the emerging threat of technology.

With the rapid advances in remote-piloted air vehicles and sensor technology, and their increasing affordability, our adversaries can observe covertly.

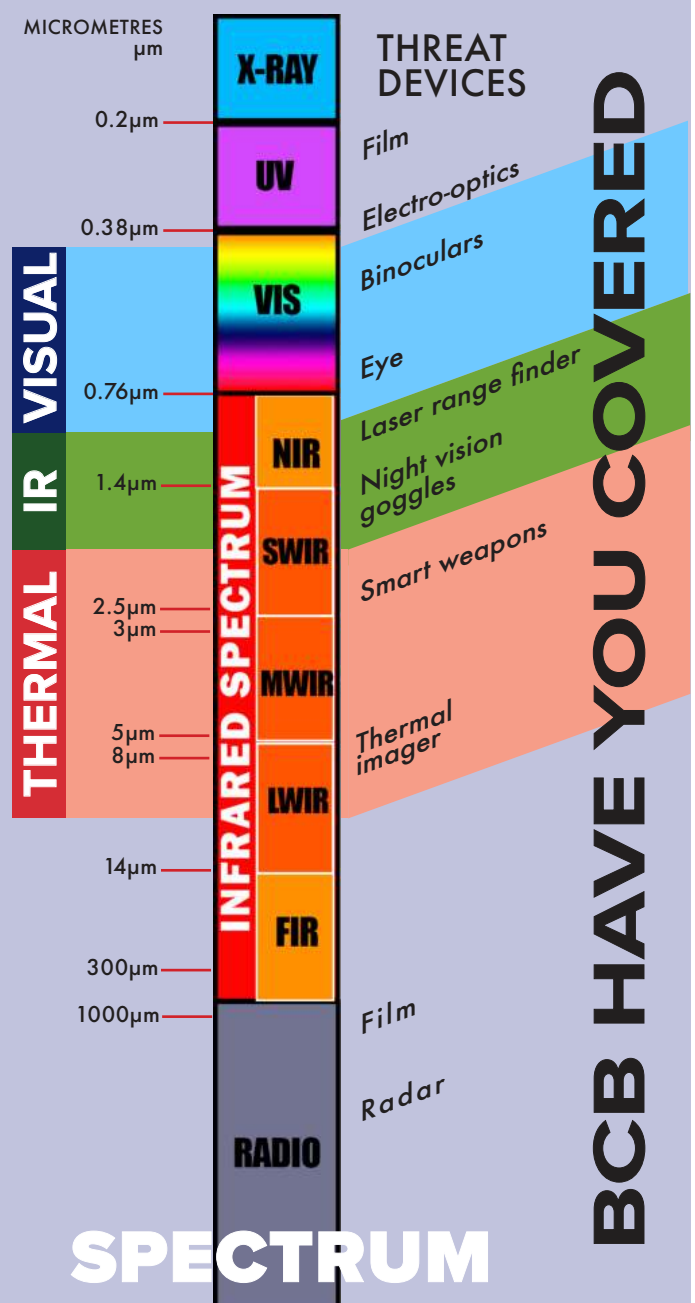
As critical platforms become more sophisticated and potent, the requirement to protect them from an ever more capable and lethal enemy increases.

BCB's camouflage and concealment systems provide a smart, cost-effective solution to protect your most valuable assets; your people, platforms, camps and vehicles.



"Thermal processes (conduction, convection, radiation) at the scene, target and propagation media have a very important role in the target thermal IR signature formation. Knowledge about, and control of, thermal processes (thermal management), could have a key influence in the EO/IR countermeasures and camouflage methods."

spiedigitallibrary.org:
conference-proceedings of spies, 22-09-20



CAMOUFLAGE INNOVATORS

SPECTRUM
TESTED

VISUAL Camouflage (VIS)	: 380nm-760nm
NEAR INFRA RED (NIR)	: 760nm - 1200nm
THERMAL Protection (TIR)	: 3-5µm and 8-12µm
RADAR Protection	: 2-100 GHz

Our MSC systems will conceal people and assets across the infrared spectrum.

Driven by the development of modern detection equipment and technology by adversaries, BCB are constantly evolving our products to offer a range of systems, designed to meet specific needs - because no single product will solve every requirement in the field.

Each system has characteristics of value to its purpose as no one camouflage will cover every domain and platform, our full range of passive, absorbing visual MS materials, can be adapted for you.



Our MSC materials can be used separately or combined, depending on your needs and environment.

CORE FABRICS: Our 3 MSC systems are all highly effective in the Visual, Thermal, Infrared and local Radio spectrum.

Mk7 Mk7 3-D nets are in service with armed forces around the world. Manufactured in the UK, they are light, robust, cost-effective and easily deployed to provide excellent Visual and NIR concealment.

Mk8 PHANTOM Developed over years collaborating with universities, specialist manufacturers and the MoD to provide a wider range of protection.

Mk8 also gives excellent emissivity reduction (ER). Both Mk7 in-service nets, and Mk8 nets, are fully compatible with each other, for operational and training functions.

Crinkle Natural 3D Our latest innovation, Natural 3D MSC is an innovative fabric providing excellent multispectral concealment. The 3D creased surface, with irregular pattern, blends with natural environments. It features excellent in-to-out visibility which is lightweight and non-sag.

SOLUTION	FEATURE / BEST FOR	SPECTRAL RANGE
CRINKLE NATURAL 3D 195 gsm	Lightweight 3D Visual (VIS) Non-sag Non Glossy	NIR SWIR MWIR LWIR
MK8 2D/3D 60 gsm	Visual (VIS) 3D Emissivity Reduction (ER)	NIR SWIR MWIR LWIR
PHANTOM MSC 2D	Reversable Platform & Vehicles Non-sag Strong	NIR SWIR MWIR LWIR

ABOUT MULTI-SPECTRAL CAMO (MSC)

Our Multi-Spectral Camouflage (MSC) systems can change battlefield dynamics by blocking or degrading the effectiveness of the enemy's activities.

TESTED PROPERTIES of our Multi-spectral Camouflage (MSC)

- Anti-Radar Properties
 - Radar Cross Section
- Anti-Thermal Properties
- Thermal Radiation
- Solar Radiation
- Low Weight
- High Temperature Resistance (+79°C \pm 2°C)
- Low Temperature Resistance (-45°C)
- Bursting Strength - High tear resistance
- Low Flammability
- Resistance to Petroleum Oils
- Low Water Absorbency
- Decontamination Efficiency
- Colour Fastness to Washing
- Colour Fastness to Wet Rubbing
- Colour Fastness to Dry Rubbing
- Colour Fastness to Artificial Light
- Specular Brightness
- Salt Fog Resistance
- Humidity Resistance
- Allergic and Carcinogenic Dyestuff Feature
- Antibacterial Feature
- Electrostatic Properties
- Low Emissivity
- Reversible

IMAGING (SWIR, MWIR, LWIR) Shown from 10 metres away



SWIR

(0.9 – 1.7 μ m)



MWIR

(1.5 – 5.0 μ m)



LWIR

(7.5 – 14 μ m)

"In making tactical dispositions, the highest pitch you can attain is to conceal them; conceal your dispositions, and you will be safe from the prying of the subtlest spies, from the machinations of the wisest brains"

- Sun Tzu, The Art of War

WE HAVE GOT YOU COVERED



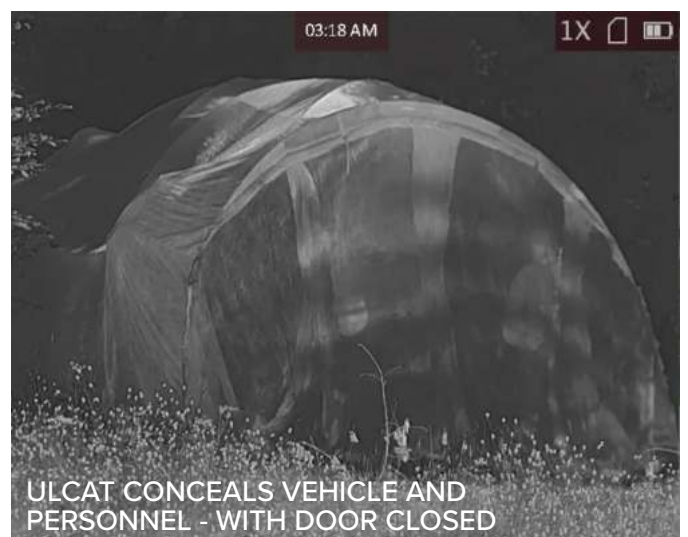
ACROSS THE SPECTRUM

VIS	VISUAL SPECTRUM	LWIR	LONG WAVE INFRARED
NIR	NEAR INFRARED	RAD	RADAR DETECTION
SWIR	SHORT WAVE INFRARED	TIR	THERMAL INFRARED
MWIR	MEDIUM WAVE INFRARED	UV	ULTRA VIOLET PROTECTION

**MULTI-SPECTRAL CAMOUFLAGE (MSC)
FOR THE MULTI-DOMAIN FORCE**



WHITE HOT IR



**FROM DESERT TO SNOW.
WE WILL CONCEAL YOU.**



MK8

WOODLAND

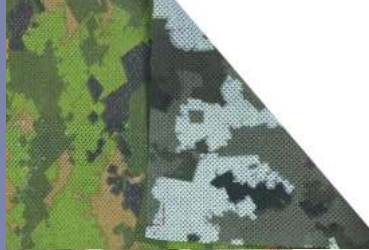
ARCTIC



DESERT

MULTI - TERRAIN








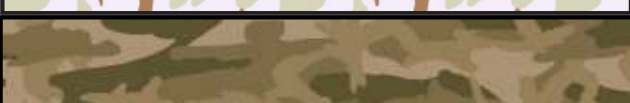












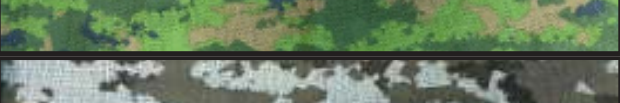







PHANTOM



**In addition to the
these fabrics,
we also have
other specialist
materials.**

**(e.g. Rocky, for
vehicle engine
covers, etc) for
specialist use.**

OUR PATTERNS/ COLOURS

Ref	PATTERN/COLOUR	Ref	PATTERN/COLOUR
2001-1		3004-1	
2002-1		3004-2	
3001-1		3004-3	
3002-1		4001-1	
3002-2		4001-2	
3003-1		4002-1	
3003-2		4002-2	
4002-4		5001-7	
4005-2		4009-1	
4005-6		4009-2	
4005-7		4010-1	
9010		5001-1	
4006-2		4008-1	
4007-1		4006-1	

GRASSHOPPER

MSC SYSTEM

Two layer tactical
technology for
Field Operations

Code NET083

VIS Camouflage: 400NM-750NM

IR (Infra Red): 750NM-1400NM

TIR (Thermal Protection)

Double-layer shelter ensures optimum operational security by minimising heat signature and infrared visibility. Engineered for stealth and concealment from advanced lenses. The two layers are easily and quickly attached together or can be separated in seconds.

INNER: BI-SHELTER - MK8 2-D MSC

Experience unparalleled waterproof tactical advantage. Our state-of-the-art, MULTI-LAYER SHELTER featuring advanced thermal and IR reflective materials.

OUTER: DETACHABLE PONCHO - NATURAL 3-D Crinkle

Thermal and IR Poncho designed for the ultimate advantage in military applications. A poncho that seamlessly integrates thermal and IR reflective technology.

- Quiet material
- Comfortable
- Lightweight
- Anti Bacterial properties
- Waterproof

SPECIFICATIONS:

Size: 260cm x 220cm

Weight: 2.8 Kg

Material: 190T Polyester with PU 3000mm

Material: Colours: **Reversible woodland and snow.**

NSN 8415-99-754-7417

Supplied with a repair kit, stuff sack and contamination bag



**ULTIMATE THERMAL PROTECTION
STATIC OR MOBILE**



SWIR
(0,9 - 1,7 μm)



MWIR
(1,5 - 5,0 μm)



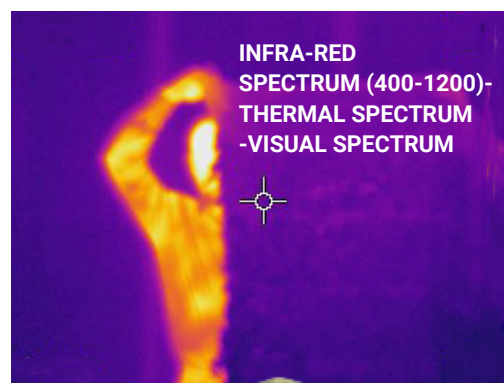
LWIR
(7,5 - 14 μm)



LARVA PONCHO (MSC)

Stay undetected, stay protected.

Improve stealth and survivability with our cutting-edge technology, MSC Natural 3D crinkle fabric, which significantly reduces thermal signatures, ensuring troops remain undetected in critical situations.



- **Comfortable**
- **Lightweight**
- **Water Resistant**
- **Anti-Bacterial**
- **Quiet Material**



- **Visual Camouflage: 400NM-750NM**
- **Infra Red Protection: 750NM-1400NM**
- **Thermal Protection (TIR)**

Equip yourself with the ultimate advantage – a poncho that seamlessly integrates thermal and IR reflective technology, combined with comfort and light weight.

STAY INVISIBLE TO HEAT SENSORS OR INFRARED DETECTION and enhance your tactical edge with this versatile and essential tool for modern warfare.



SPECIFICATIONS:

Size: 260cm x 220cm

Weight: 1.94kg

Material: 190T Polyester
Excellent MSC properties

Material: Colours:
Reversible woodland
and snow.

NSN 8405-99-665-1364



SWIR

(0,9 - 1,7 μm)



MWIR

(1,5 - 5,0 μm)



LWIR

(7,5 - 14 μm)

Supplied with a repair kit, stuff sack and contamination bag

Code NET084

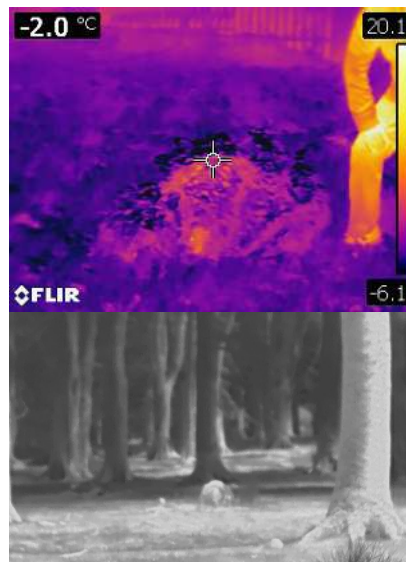
LARVA PATROL CLOAK (MSC)

Code NET088

Stay undetected, stay protected.

Improve stealth and survivability with our cutting-edge technology, MSC Natural 3D fabric, which significantly reduces thermal signatures, ensuring troops remain undetected.

- Comfortable
- Lightweight
- Water Resistant
- Quiet material



- Visual Camouflage: 400NM-750NM
- Infra Red Protection: 750NM-1400NM
- Thermal Protection (TIR)

The cutting-edge thermal and IR Cloak is designed for military applications.

Equip yourself with the ultimate advantage – a cloak that seamlessly integrates thermal and IR reflective technology, combined with comfort and light weight.

STAY INVISIBLE TO HEAT SENSORS OR INFRARED DETECTION and enhance your tactical edge with this versatile and essential tool for modern warfare.

Includes a removable weapon concealment cover, as well as a extended hood to conceal optics.

Poppers seal the front of the cloak to allow rapid deployment.



SPECIFICATIONS:

Size: 210 x 170cm

Weight: 1.72kg

Material: Colours:
Reversible woodland
and snow.



SWIR
(0,9 - 1,7 μm)



MWIR
(1,5 - 5,0 μm)



LWIR
(7,5 - 14 μm)

Supplied with a repair kit, contamination bag and stuff sack bag.

MK8 SIGNATURE MANAGEMENT SUIT

Provides: VIS IR TIR Protection

GHILLIE CAMOUFLAGE SUIT For Sniper Reconnaissance

Designed to defeat Night/Thermal Image Intensifier and Thermal optics.

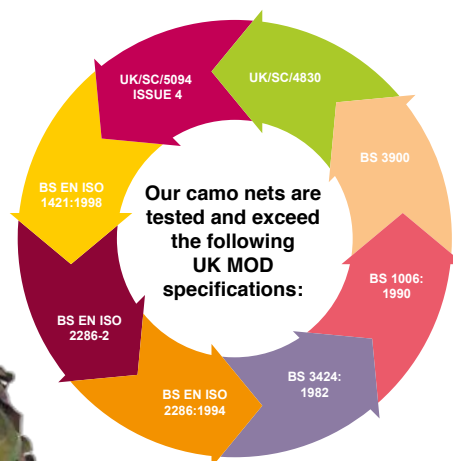
Tested to, or	UK/SC/5094 Issue 14
Exceeds these	UK/SC/4830
UK MoD	BS 3900
specs:	BS 1006: 1990
	BS 3424: 1982
	BS EN ISO 2286: 1994
	BS EN ISO 2286-2
	BS EN ISO 1421: 1998



Available in different colour tones. Patterns, colours and sizes can be customised to your requirement.



WOODLAND MOUNTAIN DESERT URBAN SNOW



- Two piece suit protects wearer in the Visual,(VIS) Infrared(NIR) and Thermal(TIR) spectrums.
- 3-D pattern blends with the irregularities of nature.
- Tested by Royal Marines : classed as 'Fit for Purpose'
- Wired hood closure
- Breathable
- Weight 1.6kg

NET052 (2 x 2m) - NET053(2.2 x 2.2m) - NET054 (3 x 3m)

NATURAL 3D CRINKLE SIGNATURE MANAGEMENT SUIT

Provides: VIS IR TIR Protection

Lightweight fabric designed to better blend with the natural environment.

- Quiet
- Non-snap
- Lightweight, & durable
- Comfortable - can be worn for long periods.

The wearer blends into the local environment, protected from visual (VIS), infrared (SWIR/LWIR) and thermal (TIR) spectrum detection.

Consists of:
1 x poncho
1 x snood
1 x combat top
1 x trousers
1 x stuff sack

REFLECTANCE
TESTED

Spectrophotometer 800-1200 nm

Light Green: 13%- 16%

Dark Green: 11%- 14%

Brown: 8%- 11%

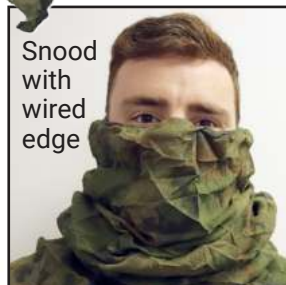
Black: 5%- 8%



Snood can be used as a collar or hood.
The wired nose clip provides stable positioning



Snood with wired edge



Veiled Hood dressed with string garnish

CODE: CL701

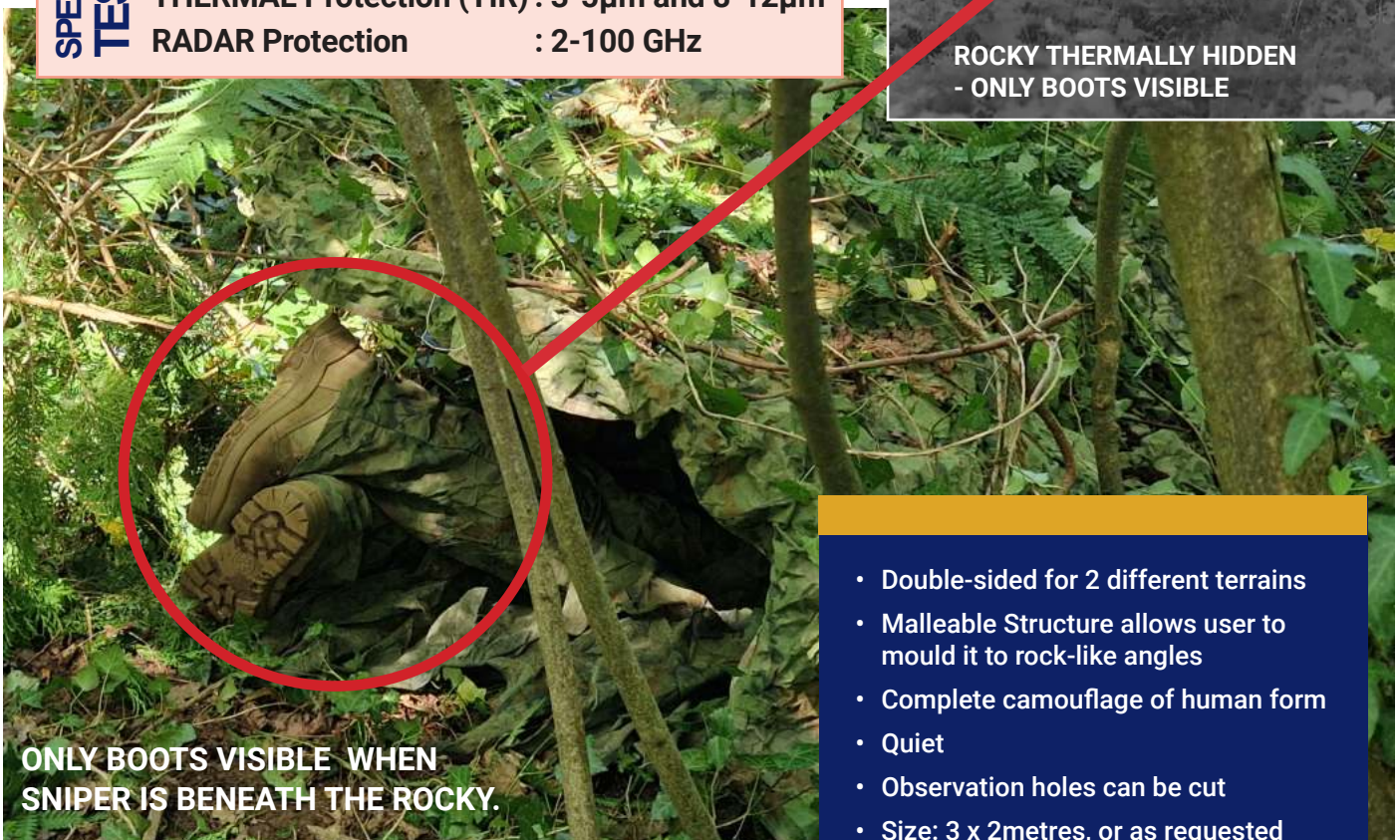
ROCKY

Provides: VIS IR TIR Protection

The Rocky is a pliable, natural-looking cover to match the style of the surrounding terrain. Once shaped into desired position, Rocky will remain resolute in said shape.

**SPECTRUM
TESTED**

VISUAL Camouflage (VIS) : 380nm-760nm
NEAR INFRA RED (NIR) : 760nm - 1200nm
THERMAL Protection (TIR) : 3-5µm and 8-12µm
RADAR Protection : 2-100 GHz



Pliable structure allows it to be moulded into rock-like shapes. Double-sided to match different terrains.



Watch the
video here

- Double-sided for 2 different terrains
- Malleable Structure allows user to mould it to rock-like angles
- Complete camouflage of human form
- Quiet
- Observation holes can be cut
- Size: 3 x 2metres, or as requested
- Double sided: 2 terrains
- Different colour/pattern options
- Lightweight, 400g/m2
- Low water absorbtion capacity
- Antibacterial

(Desert/Wodland) NET037
(Woodland/Multi terrain) NET038

STARGAZER MK8 MSC

Provides: VIS IR TIR Protection

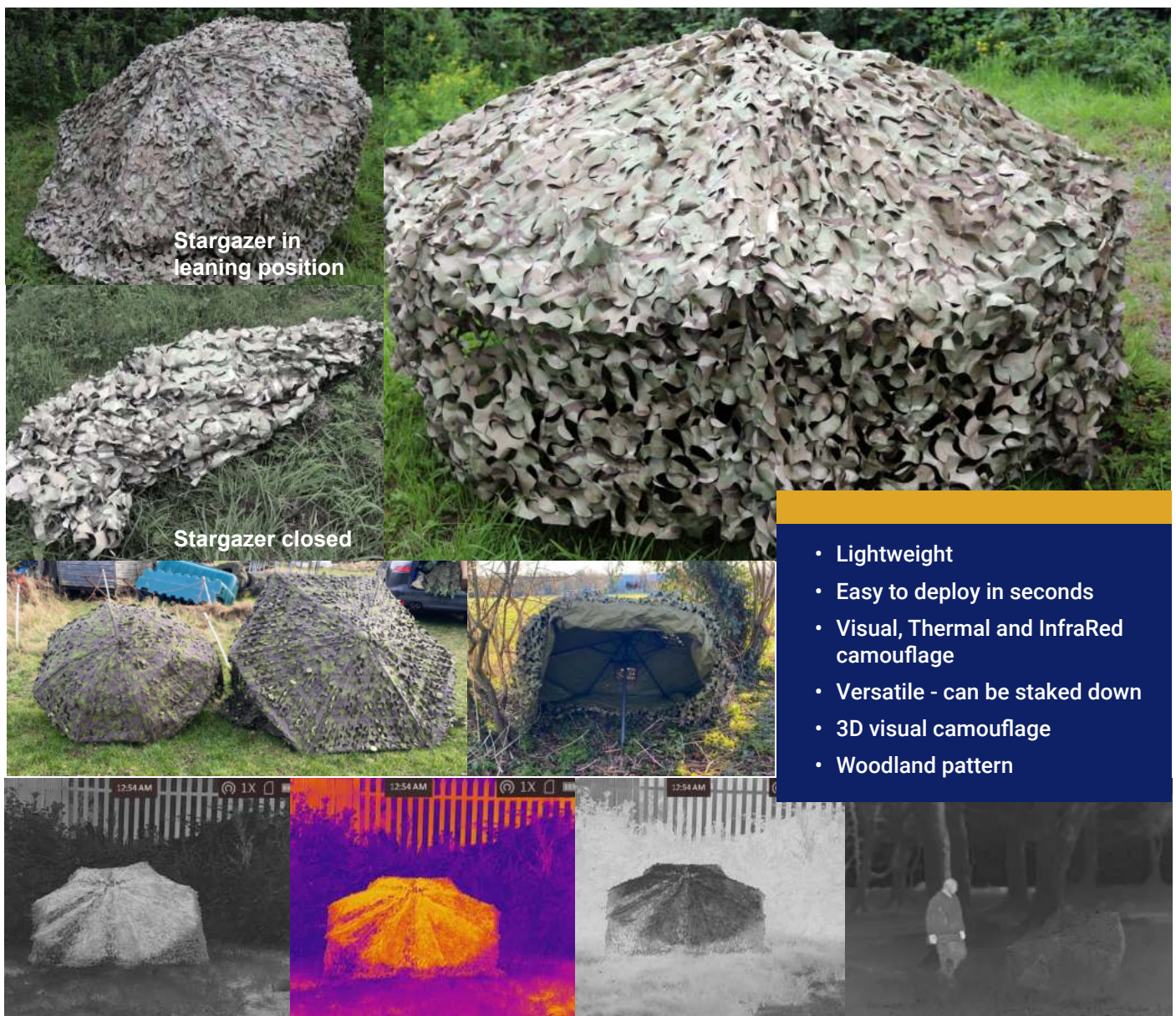
In seconds the stargazer MK8 MSC is an easily and rapidly deployed camouflage cover with the addition of a skirt of extra material which conceals the user from above, and 360° at ground level.

Conceals an individual on patrol, and can be staked down as a sniper hide or observation post and can also conceal vehicle turrets. Made from Mk8 material, it protects from Visual, Infrared and Thermal spectrum detection.

Available in two sizes:

SMALL *Estimated
Diameter : 1.8 metre (open)
Height: 1 metre*
Weight: 1.9 Kilos*

LARGE
Diameter : 2 metre (open)
Height: 1.08 metre
Weight: 2.19 Kilos



Thermal images (at 10 metres) of Stargazer concealing a soldier

CODE: NET051

MSC FIRE TEAM HIDE

Provides: VIS IR TIR Protection

Observation hide for 1-3 personnel, or store supplies for mortar teams.

The 2-Layer Hide is available in bespoke sizes. It is a rapid, easily erected, double-layer protection system that is lightweight and compact for carrying.



1. Duo Hide framework set up



2. Thermal tent cover added



3. Thermal outer netting added



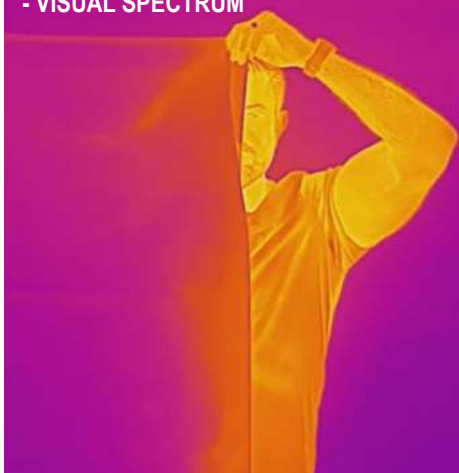
4. In the field with vegetation added



**INFRA-RED
SPECTRUM (400-1200) -
THERMAL SPECTRUM
- VISUAL SPECTRUM**

WEIGHTS:

- Standard 3 x 3metre IR and Thermal hide cover - 2kg
- 5 x 5metre IR and thermal outer net - 4.5kg
- Hide poles - 4kg
- Ground stakes - 4kg
- 267cm L x 267cm W x 130cm H



Available in reversible
Olive/Woodland, MTP or Desert/Plains



CODE: NET048

ULCAT: ULTRA LIGHTWEIGHT CAMO TUNNEL

Provides: VIS-SWIR-MWIR-LWIR Protection

For rapid double space vehicle concealment and deployment

The vehicle tunnel is made from our specialised crinkle 3D material which is lightweight and snag free. It conceals in the Visual, Infrared and Thermal spectrums.

Standard tunnel length, when closed 13.5 metres x 4 x 3.5 metres. Allows rapid vehicle concealment and exit, with great visibility from inside-to-out. Fitted with opening ends which tie back for easy entry and exit. The ULCAT can easily accommodate most vehicles with space for a field office/command centre/ sleeping etc.



**ULCAT WITH BOTH
ENDS CLOSED**

- Natural 3D pattern blends with nature
- Protects in the visual, thermal and infrared spectra
- Non-snag and breathable material
- Quiet, Lightweight and Fire Resistant
- Non-absorbent
- Excellent visibility from inside-to-out
- Material Operational Temperature range -45°C to +70°C
- Fast-opening front/back doors for rapid vehicle insertion/evacuation
- Two quick opening lateral doors for personnel entry.
- UK MoD issue fibreglass tent poles & ground spikes
- Can also be used as a camouflage screen without poles, spreaders etc.



**Excellent visibility inside-to-out.
Lookout panels possible.**



**Shown with
entrance tied back**

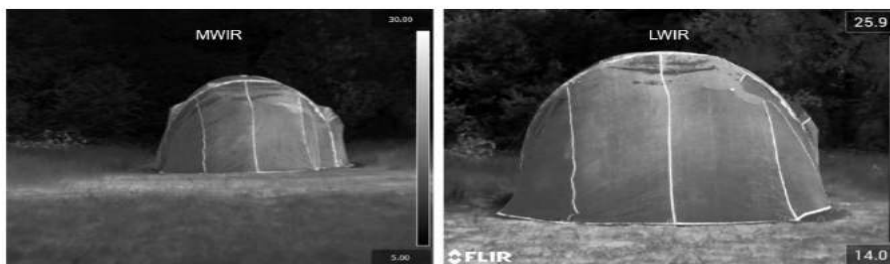


ULCAT

**ULCAT - AMPLE SPACE
FOR VEHICLE, SUPPLIES &
COMMAND CENTRE**

THERMAL TESTING RESULTS

- with vehicle and personnel inside



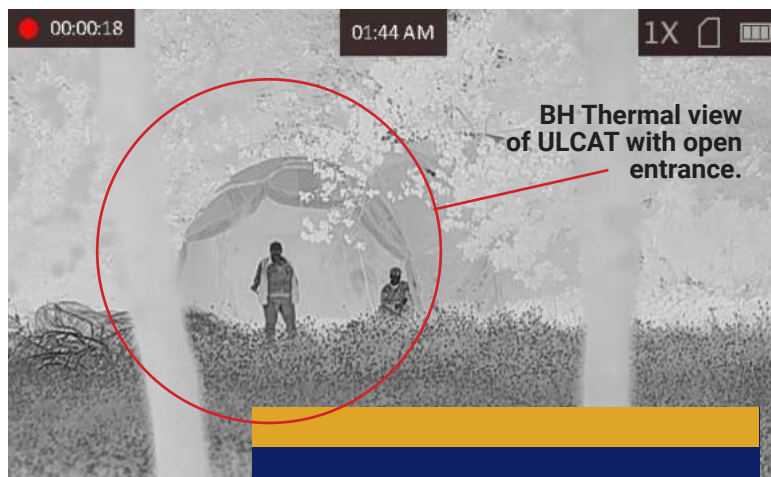
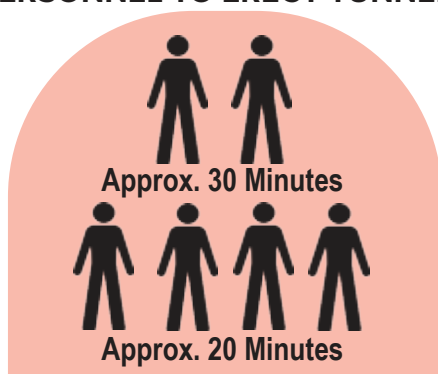
- Reflectance
Spectrophotometer
800-1200nm**
- Light Green: 13%- 16%
 - Dark Green: 11% -14%
 - Brown: 8%- 11%
 - Black: 5%- 8%



**ULCAT concealing
vehicle and personnel
when viewed through
Fusion IR scope.**

ULCAT

TIME / PERSONNEL TO ERECT TUNNEL?



ULCAT System pack contents:

	1 x	Crinkle netting
	46 x	1.2m Poles
	12 x	Ground Stakes
	8 x	4.5m Telescopic Spreaders
	25 x	Ground Spikes
	1 x	Repair Kit

Specifications:

Set up time :	Approx 20-30 minutes (crew of 2-4 people)
Dimensions of ULCAT (deployed)	13.5metres (Length) inc. door canopies x 4metres (Width) x 3.5metres (Height)
Weight of camouflage Net:	Approx. 32kg
Complete system weight (inc. spreader poles, pegs, stakes etc):	Approx. 140kg

- Operational temperature:
Range - 45°C to +70°C.
- (EN 60068-2-2 / EN 60068-2-1)
- Fire resistance (ISO 6941)
- Wash Fastness: ≤ 4/5 ISO 105 C01
- Water Fastness: ≤ 4/5 ISO 105 E01
- Rubbing Fastness: ≤ 3 ISO 105-X 12
- Air Permeability (EN ISO 9237)

Resistance to:

- Oil
- Tearing (DIN EN ISO 13937-2)
- Breaking (DIN EN ISO 13934-1)

Erecting the ULCAT- *basic stages*



The BCB ULCAT System can be ordered in S/M/L to suit your vehicle.

CODE: NET047

JACKAL MSC CUSTOM PANELLING SYSTEM

Fully customised,
including shape
profile and colour.

Provides: VIS IR TIR Protection



- Unique 4 layer blended system is highly effective and variable with durable outer layers in varied colours and patterns
- The 3D garnish breaks up the vehicle outline.
- Individual panels can be made in different colours to break-up the vehicle profile.
- Easy attachment and removal, allows:
 1. Different environments
 2. Rapid in-the-field maintenance - even when driving through dense woodlands
- System can be paired with 3D crinkle or 2D cam net.
- 3D Drapping allows for "Shape-Shifting"



BCB's MSC System

**SPECTRUM
TESTED**

VISUAL Camouflage (VIS) : 380nm-760nm
NEAR INFRA RED (NIR) : 760nm - 1200nm
THERMAL Protection (TIR) : 3-5µm and 8-12µm
RADAR Protection : 2-100 GHz

MK8 3D MOBILE VEHICLE CAMOUFLAGE

Provides: VIS IR TIR Protection

MSC Mobile Camo is tailored to specific vehicles as applique panels which attach via instant hook and loop fixings to each part of the vehicle, over engines and around exhausts, aerials, etc.

The system prevents the detection of moving assets such as armoured vehicles, tanks and weapons systems by all reconnaissance and surveillance sensors, currently known.

Custom-made panels to fit contours of vehicle



**SPECTRUM
TESTED**

VISUAL Camouflage (VIS) : 380nm-760nm
NEAR INFRA RED (NIR) : 760nm - 1200nm
THERMAL Protection (TIR) : 3-5µm and 8-12µm
RADAR Protection : 2-100 GHz



Can be combined with Mk 7 3-D system over Mk 8 panels

- Provides enhanced protection in the VIS, TIR, NIR & Radar spectrums
- Fire resistant
- Modular structure
- Solar load reduction
- Easy installation and collection
- Customised to each vehicle
- Different textured finishes possible
- Available in different camo patterns to suit different environments



CODE: CUSTOM

MULTI-SPECTRAL (MSC) 2-D PHANTOM

Provides: VIS IR TIR Protection



**Our NATO Issue, Infrared-reflective camouflage system remains pliable, even in extreme temperature ranges.
MSC 2-D is lightweight, non snag and quiet.**

The BCB MSC system can be ordered in the sizes and colours to suit your specific needs.

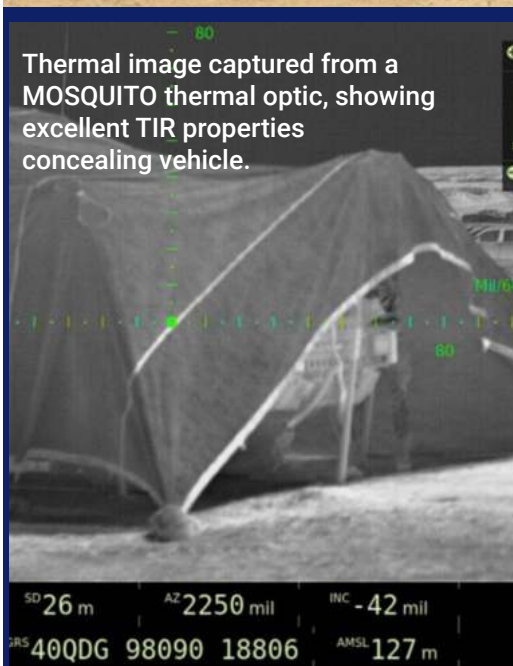
Available in a range of sizes, these systems are proven in the Field and are highly efficient in keeping valuable assets concealed.

Once erected, the meshed design of the net allows the crew to see through the net and thus retain situational awareness.

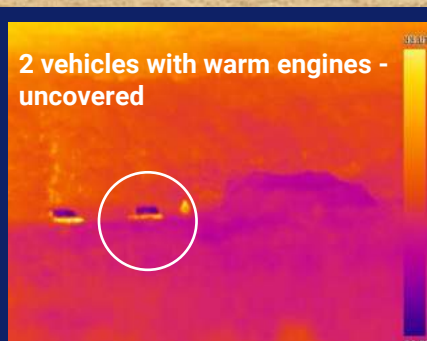
Furthermore the crew are able to operate the vehicle weapon system freely.



Thermal image captured from a MOSQUITO thermal optic, showing excellent TIR properties concealing vehicle.



2 vehicles with warm engines - uncovered



1 Vehicle now covered by the MSC cover



- Operational temperature range: -45°C to +70°C. (EN 60068-2-2 / EN 60068-2-1)
- Tear Resistance:
Warp: 24 N Weft: 23 N (DIN EN ISO 13937-2)
- Breaking Resistance:
Warp: ≥ 288 N Weft: ≥ 282 N (DIN EN ISO 13934-1)
- Rubbing Fastness (dry) : ≤ 3 ISO 105-X 12
- Resistance to Petroleum Oil: No deformation
- Air Permeability: 2398,5 mm/s (EN ISO 9237)
- Fire resistance (ISO 6941)
- Washing Fastness: ≤ 4/5 ISO 105 C01
- Water Fastness: ≤ 4/5 ISO 105 E01

PHANTOM MSC 2D

MSC will conceal a range of assets/platforms: tanks, armoured

- Disruptive/digital pattern blends with natural background
- Excellent visibility from inside-to-out, look-out panels possible
- Improved crew-shading
- Non snag
- Low storage and easy deployment
- Edges finished in 'Dutch lacing' allowing easy panel connection/deconnection
- Double-sided/ reversible camouflage pattern to suit two environments
- Trialled extensively by British Army units and procured for recent operations



WATCH THE
VIDEO HERE:



STANDARD PATTERN OPTIONS:

Typical System contents:	
4 x	Poles (1.22 metres)
4 x	Poles (2.43 metres)
8 x	Adaptor sleeves
6 x	Spreaders (4.5 metres)
24 x	Ground Pegs



CNDS: COMBAT NET DEFENCE SYSTEM

Provides: VIS IR TIR Protection

Ballistic protective camouflage cover against drone or loitering munitions.

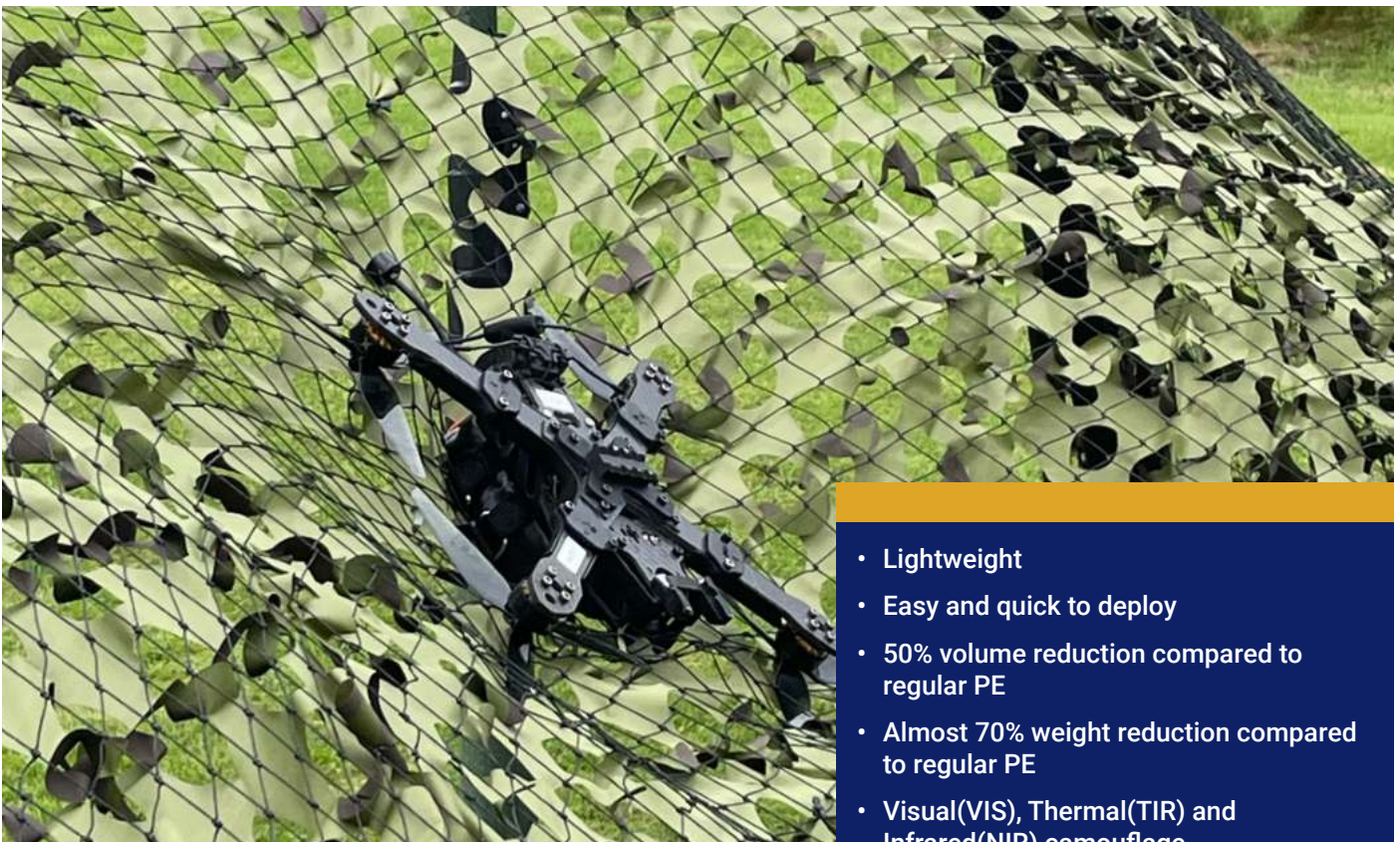
Made from special Dyneema twisted UHMPE yarn.

**A lightweight practical solution for maximum protection
Outer covering offers Infrared, thermal and Visual camouflage.**

The net is specially constructed from a high tenacity aramid material to deflect or capture loitering munitions, Drones or air-dropped ordnance.

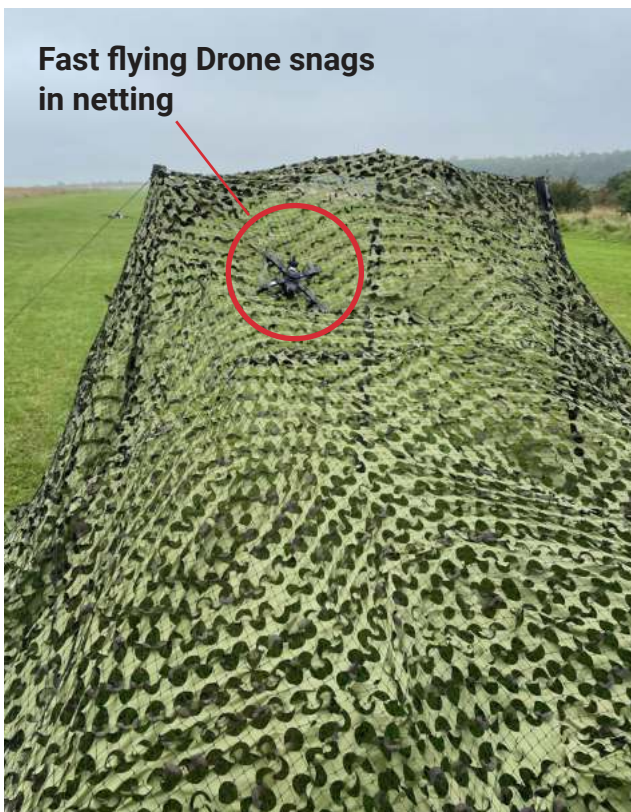
Includes a thermal 3D camouflage covering for visual (VIS), infrared (NIR) and thermal (TIR) concealment.

Can be manufactured to any configuration required, like fitting over a trench, a specific platform or vehicle.
Can also be joined together to make larger nets.



- Lightweight
- Easy and quick to deploy
- 50% volume reduction compared to regular PE
- Almost 70% weight reduction compared to regular PE
- Visual(VIS), Thermal(TIR) and Infrared(NIR) camouflage
- High strength to weight ratio
- Twisted and Double knotted to prevent slippage
- 3D visual camouflage
- Coating for long life
- High strength Dyneema

CODE: NET050



Fast flying Drone snags in netting

CNDS: Combat Net Defence System

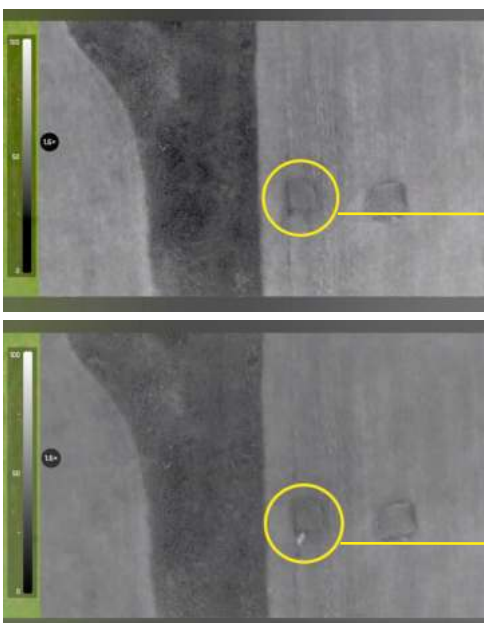
Thermal camouflage 3D cover

- Double knotted to prevent slippage coating for durability and strength
- Weighs almost 70% less than PE twisted
- 50% diameter reduction than regular PE Twisted
- Does NOT deteriorate when wet
- Long life
- High strength to weight ratio
- Flexible configuration

SIZE REF	Approx DIAMETER mm	RUNNAGE (M/Kg)	Breaking strength (kgf)	KNOT breaking strength (kgf)
6	1.0	2640	79	80

DEFENCE TEST SUMMARY by former serving officer:

"The attack profile was good - exactly the style we are using for drones. I think this actually may stop Lancet loitering munitions. This system will save lives and prolong equipment survivability, because, firstly it's giving cover to the guys on the ground and secondly, the CNDS is deflecting the blast, especially for shape charge munitions. Counter the threat before it gets close."



Aerial Thermal (White Hot) view of 2 x CNDS

**Level Shelter (left)
Lean-to Hide (Right)**

MAN & EQUIPMENT hidden under shelter (circled)

Both shelter and Hide passed field tests for trapping Drones and small munitions

MAN revealed exiting shelter on left.

Watch the video here



CODE: NET050

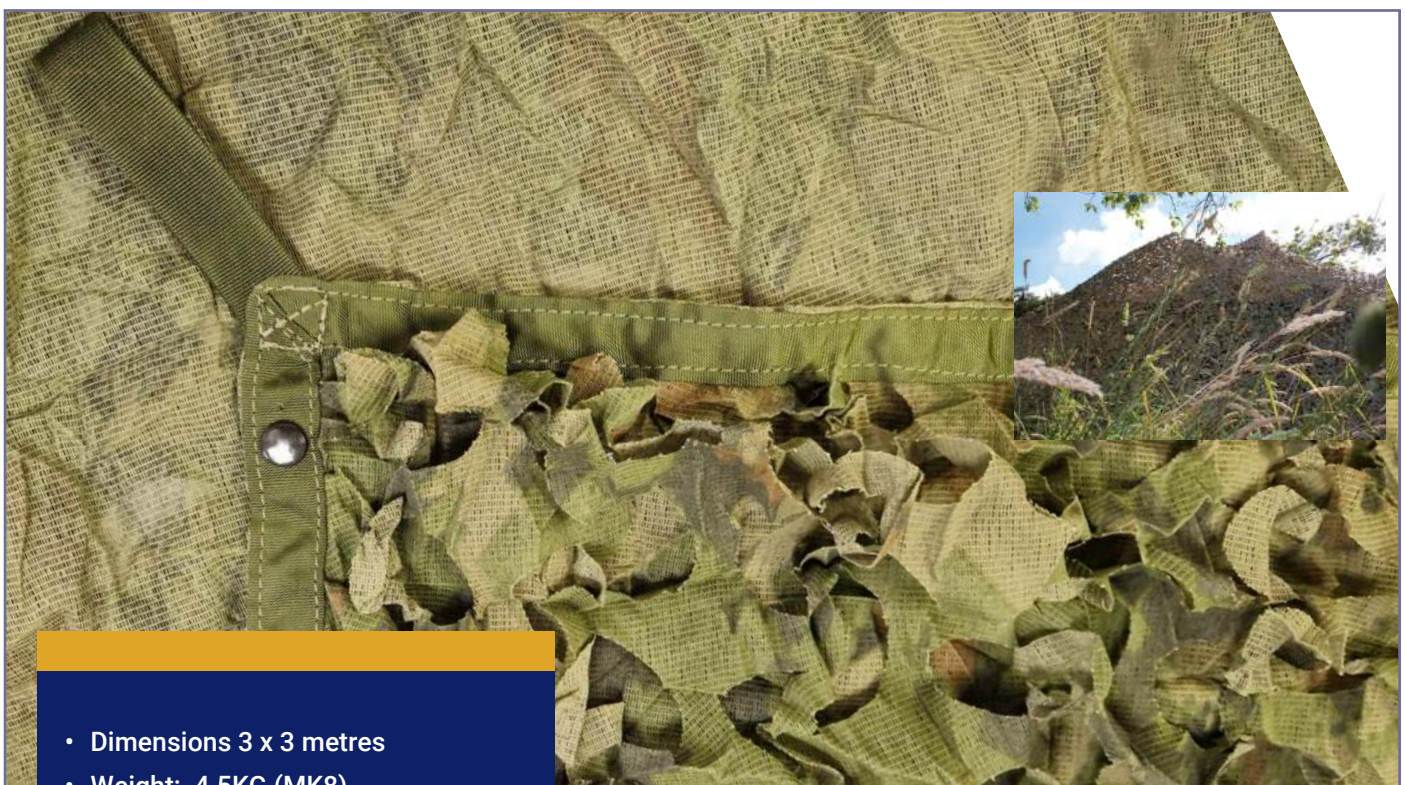
MULTI OBSERVATION COVER (MOC)

Provides: VIS IR TIR Protection

The MOC is designed for snipers or observation posts. Can accommodate up to 3 people when facing opposite directions. Can be quickly erected using webbing loops.

A lightweight double layered, rectangular shaped multi-spectral fabric. Can be attached to a secondary thermal layer using attachment points.

Available in MK8 and natural 3D crinkle.



- Dimensions 3 x 3 metres
- Weight: 4.5KG (MK8)
- Natural 3D finish blends with nature.
- Multispectral: Protects in the visual (VIS), infrared (NWIR/LWIR), and thermal (TIR) spectrums.
- Strong attachment points all around
- Heavy duty press studs to join screens together
- Camouflage pattern: Customisable
- Rapid deployment



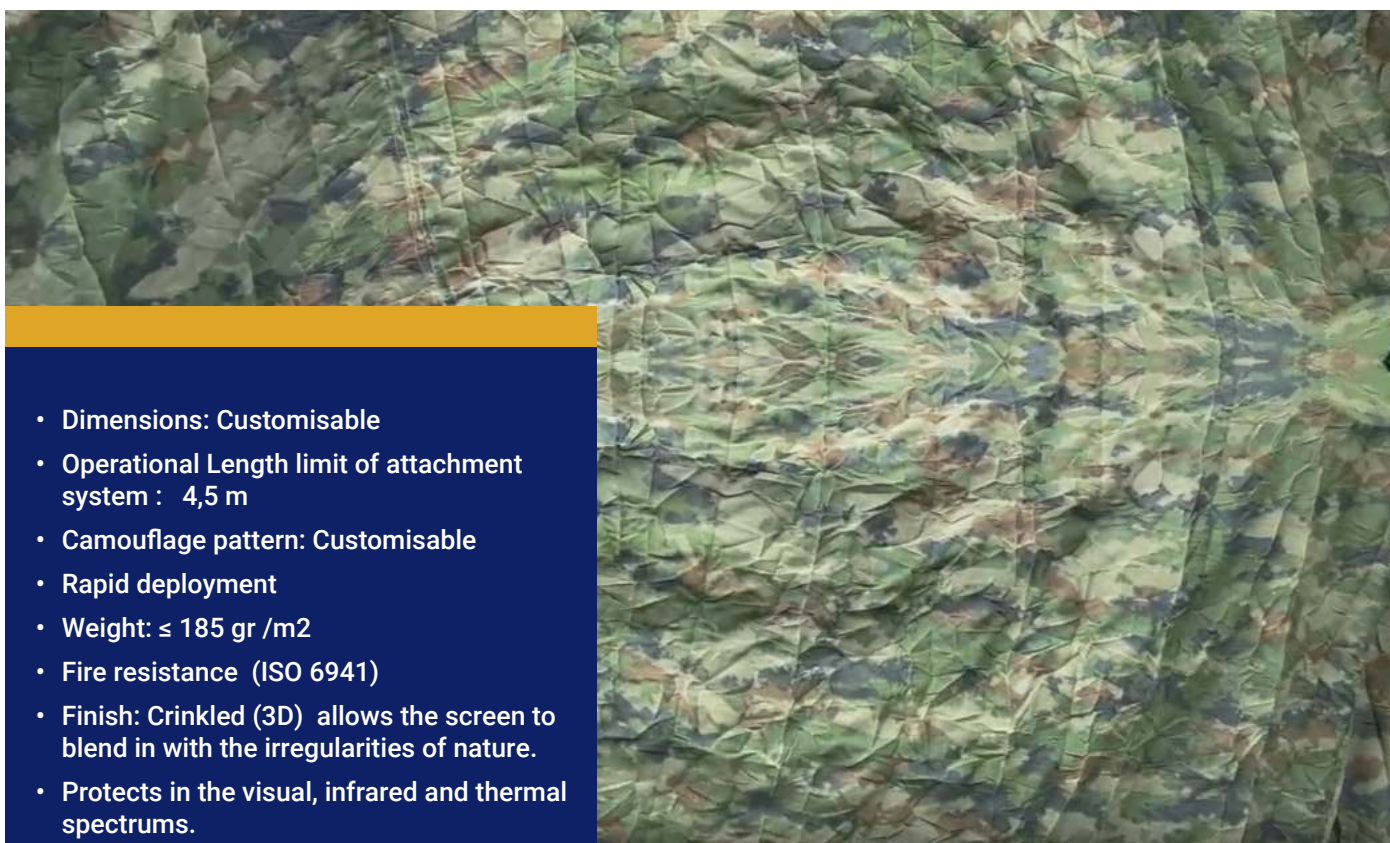
RAPID MULTISPECTRAL CAMO SCREEN

The screen is equipped with an integrated strong bungee type attachment system along its top section, for the screen to be attached both ends and suspended in front of or over an asset.

The rapid deployment multispectral camo screen is made from a lightweight single layer of natural 3D, rectangular shaped fabric with a reversible camouflage pattern to assist with the concealing of vehicles, equipment and personnel.



BEFORE (above) and AFTER (below) screen deployment (Thermal imagery)



- Dimensions: Customisable
- Operational Length limit of attachment system : 4,5 m
- Camouflage pattern: Customisable
- Rapid deployment
- Weight: ≤ 185 gr /m2
- Fire resistance (ISO 6941)
- Finish: Crinkled (3D) allows the screen to blend in with the irregularities of nature.
- Protects in the visual, infrared and thermal spectrums.

CODE: NET093

DUO-COLOUR CAMO STICK

BROWN & GREEN 30G and 60G

Provides: VIS NIR SPF Protection

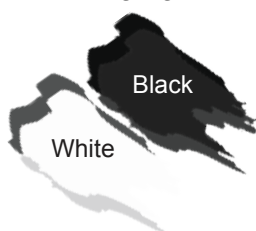
- Substantially reduces NIR signature of skin
- Works beyond the visual spectrum
- Non-irritant formula
- Not removed by rain or sweat
- Fast drying with no odour
- Deep, dark matt colours
- Shatterproof mirror in lid
- Will not freeze
- Long lasting



IRR



ARCTIC



DESERT



WOODLAND



JUNGLE



3-COLOUR CAMO COMPACT



- Substantially reduces NIR signature of skin
- Works beyond the visual spectrum
- Non-irritant formula
- Not removed by rain or sweat
- Fast drying with no odour
- Deep, dark matt colours
- Shatterproof mirror in lid
- Will not freeze
- Long lasting

COSMETIC GRADE, OIL BASED CAMOUFLAGE CREAM.

BROWN & GREEN & BLACK, 30g tubes



- Compact size and easy to apply
- Non-irritant formula
- Long-lasting
- Water and sweat-proof base
- Dries in ≤ 5 minutes once applied
- Gives a smooth and opaque finish
- Pigment dense; a little goes a long way
- Remove from skin with soapy water or suitable cleansing wipes
- Aroma free
- Based on natural vegetable materials
– no animal products
- Long shelf life (3 years +)
- Stable in arctic, tropical, and desert environments



Ingredients used in the Tubes are the same as our current military formula. They have a 18 year proven track record with the UK Ministry Of Defence and other Allied Armed Forces.

Made in UK



Black



Green



Brown

Camoufla Conceal Deceive

"In making tactical dispositions, the highest pitch you can attain is to conceal them: conceal you dispositions, and you will be safe from the prying of the subtlest spies, from the machinations of the wisest brains"

Sun Tzu, THE ART OF WAR

**OWN THE DAY,
OWN THE NIGHT**



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