

ANTI-THERMAL FIELD BLANKETS 2D (ATFB)



**PROTECTION AGAINST
THERMAL/IR WEAPON SYSTEMS
UAVs, DRONES, ANTI-TANK
MISSILES, ATGMs**

NCAGE CODE:G1836

INTERMAT GROUP S.A. 238, Syngrou Ave, Kallithea, 176 72, Athens, Hellenic Republic
NCAGE CODE: G1836, D-U-N-S Number: 499452469, Tel: +30 210 94 02 977
Web: www.intermatstealth.com Email: info@intermatstealth.com

Anti-Thermal Field Blankets 2D(ATFB) Main Characteristics

ANTI-THERMAL FIELD BLANKETS 2D is an all-weather, state-of-the-art signature concealment system. It is an advanced material that simultaneously hides objects from detection means such as NIGHT VISION, THERMAL IMAGING & SENSORS, ISR platforms.

It is made of flame resistance impregnated fabric with excellent mechanical properties and resistant to tearing. The fabric is printed with our **ANTI-THERMAL/IR Ink** formulation to give **VISUAL, NWIR, SWIR, MIDWIR (3-5) & LWIR (8-14) CAMOUFLAGE & CONCEALMENT CAPABILITY.**

Advantages

- Outstanding **STEALTH CAPABILITY** due to **ANTI-THERMAL/IR TOP COATINGS**
- Multispectral protection in **NWIR, SWIR, MIDWIR (3-5) & LWIR (8-14)** ranges
- Lightweight, breathable, thin & flexible
- Very durable
- Excellent with matte surface finish
- Fast and easy deployment



Characteristics	Specification	Test Method
High efficiency in VISUAL, THERMAL/IR SIGNATURE REDUCTION		
Unique technology, innovative, breathable, comfortable and protective textile with advanced multispectral camouflage & concealment capability to protect and reduce detectability to the max against NIGHT VISION, THERMAL IMAGING & SENSORS & WEAPON SYSTEMS		
Design and selected color matching to merge perfectly with the environment		
Type of fabric	POLYESTER / CANVAS	
Type of weave	KNITTED / WOVEN /CANVAS	
Operational IR range	VIS , NWIR, SWIR,MIDWIR (3-5) LWIR (8-14)	Labs-Internal
GSM	180 - 200	Internal
Thickness	0.45-0.60	Internal
Breaking strength(kgr / inch) Warp	70	ASTM D-5035
Weft	50	ASTM D-5035
Tearing strength (kgr) Single Rip	20	ASTM D-2261
Warp	20	ASTM D-2261
Weft	20	ASTM D-2261
Flame Resistance Warp – After flame (Sec) Char length (mm)	6-7 35-40	Internal Internal
Flame Resistance Weft – After flame (Sec) Char length (mm)	7 - 8 35-40	Internal Internal
Life Span	≥ 5 YEARS	
Storage Life	> 10 YEARS	

Specifications

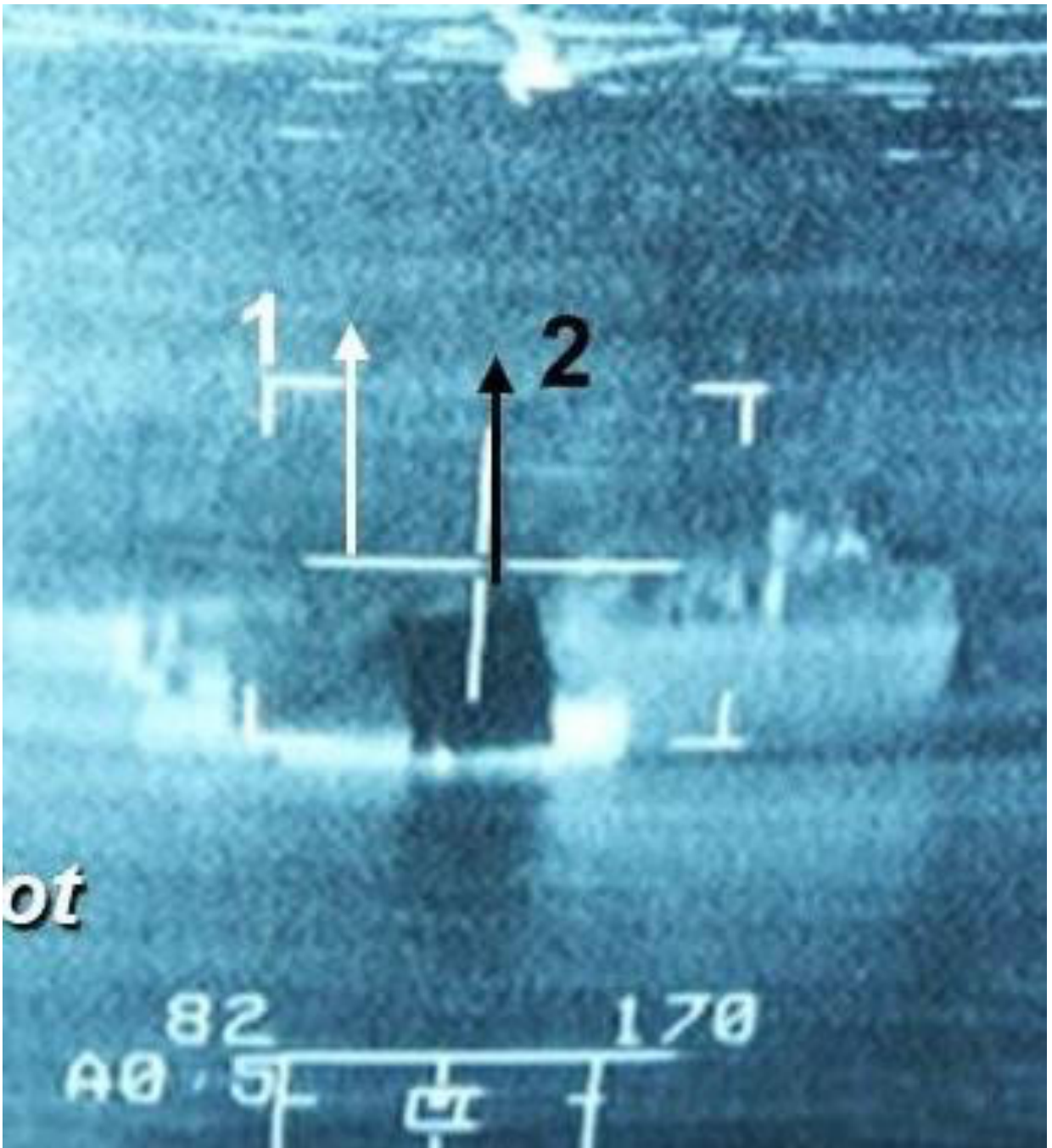
General

- Manufactured as per international standards using fire retardant PU materials.
- Made of high-spec, lightweight, durable, snug-resistant, quick-drying materials that don't get waterlogged from rain.
- Offer effectiveness and cooling comfort dropping internal temperatures.
- Engineered in various camo colors blending in woodland, desert, rocky, jungle, snowing terrains.
- Tailored to meet end-user requirements in size, design, performance.

STORAGE LIFE

Product storage life is more than 10 YEARS from date of delivery, provided that all storage conditions follow Intermat's storage specifications and inspection cycles.





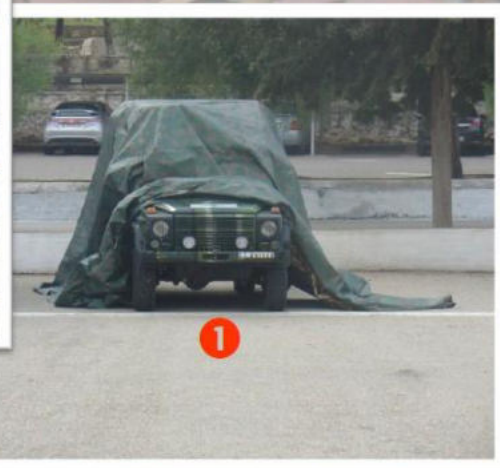
Observation by Helicopter APACHE FLIR Thermal Imaging Sight, White Hot (WHOT) ATFB covering engine & exhaust

1

INTERMAT ATFB 2D

2

Vehicle's image through thermal imager: VERY short distance (less than 50 meters). Watch for "hot" signatures of uncamouflaged soldiers. Blending with environment is amazing

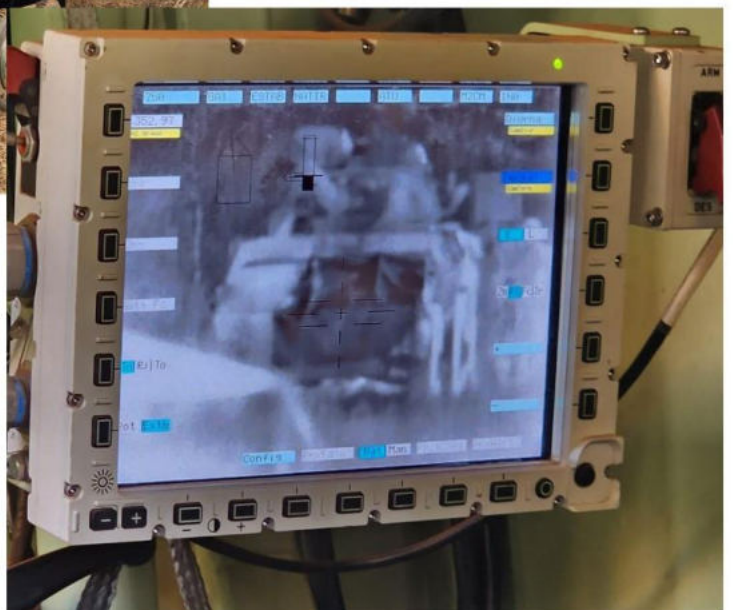


Observation by FLIR Thermal Imaging Sight
White Hot (WHOT) ATFB covering Combat Vehicle

Applications

Instant protection of personnel & gear from DRONES, UAVs, THERMAL/IR SENSORS, ISR platforms

WHITE HOT IMAGES (WHOT)



Tailored to meet specific requirements



**ENGINEERED TO MEET END-USER COLOR, SIZE,
DESIGN, PERFORMANCE**



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