



ADVANCED SURVIVAL TECHNOLOGY

Ballistic Body Armour CC, Reg No. 86/04320/23
Hangar 23, Rand Airport, Germiston, P.O. Box 775, Rivonia 2128
Tel: Factory: (011) 824-2900. Office: (011) 803-6037. Fax: (011) 803-7137

FAX TO: TECHNICAL COMMITTEE
INDEPENDENT ELECTION COMMISSION
FAX NO: 397-2211
FROM: EMMANUEL KUMALO
DATE: 27-10-93

Please find herewith our price list including v.a.t. for our range of bullet resistant vests.

These prices are subject to discount depending upon quotation required.

I will contact you to arrange a demonstration of our products shortly.

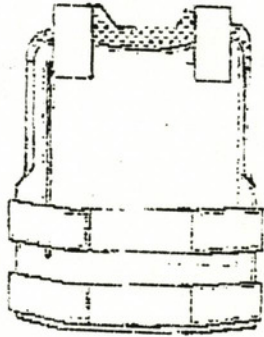
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Yours sincerely
E. KUMALO

BULLET-RESISTANT-GARMENTS

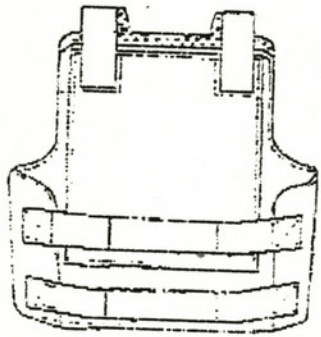
1. RAPID RESPONSE

Available in white polycotton for wearing underneath clothing or in blue, green or brown polycotton for wearing over the top of clothing or uniform. It has a six point adjustment system for maximum wearer comfort. It provides protection for both the chest and back, and is supplied with a pocket to accommodate a Curved Ceramic Up Armour Plate (CCUAP) for protection against high velocity rifles. It is light and comfortable and can be worn for extended periods of time. The Rapid Response is also available in a modified design, at the same price, called the Super-Light, - but this vest cannot accommodate the CCUAP.



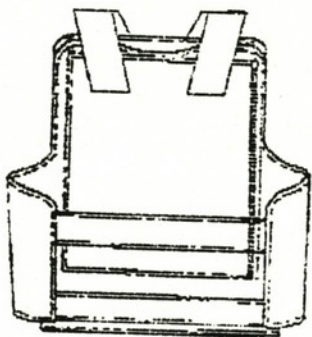
2. UNDERCOVER VEST

The Undercover Vest (UCV) is designed to be worn discreetly underneath the normal clothing, such as a shirt or uniform. It provides all round chest, back and side protection and is contoured to provide maximum, unhindered movement and comfort. A front pocket is provided for a one piece Curved Ceramic Up Armour Plate (CCUAP) for protection against high velocity rifles. It is available in white polycotton.



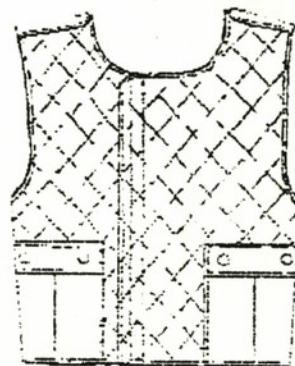
3. GENERAL PURPOSE VEST

When supplied in brown, green or blue hardwearing polycotton material it is comfortably worn over a normal shirt or uniform. This garment uses the same ballistic panels as the Undercover Vest and therefore offers a dual use benefit. It is supplied with a pocket on the front for the CCUAP. A groin flap can also be attached as an optional extra.



4. WINDBREAKER

This is a front-opening, padded unit which is designed to look like a windbreaker-style garment and not like a bullet resistant garment. It is very easy and quick to put on, and yet offers comprehensive protection, as it wraps around the sides of the body. The outer cover material is a coated material offering a high degree of water resistance. As this unit is front-opening, if a CCUAP is required, an additional carrier garment is supplied.

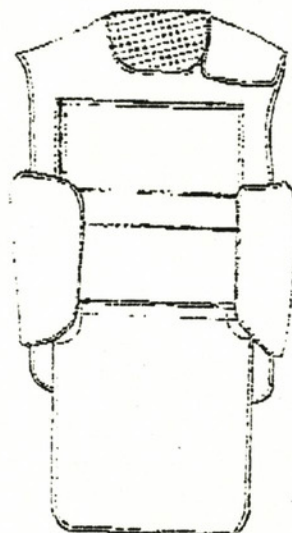


5. ANORAK

This is a standard anorak, offering a very high degree of weather protection and water resistance. The anorak can be worn as a bullet resistant garment and can accommodate a CCUAP or, the ballistic panels can be removed and it can be worn as an ordinary anorak. The sleeves can be detached if required and a hood is supplied with the anorak. It is almost impossible to see that this is a bullet resistant garment. The ballistic panels in the anorak can also be used in the General Purpose/Undercover Vest and this offers excellent flexibility of customer usage.

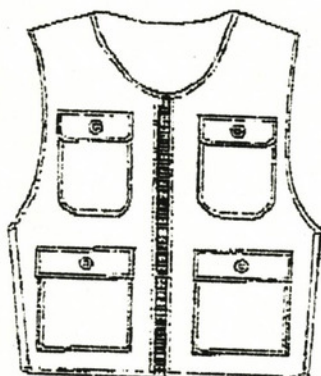
6. ASSAULT JACKET OR RIOT JACKET

Designed specifically for police and civil unrest control units. Can be supplied with or without the groin flap and in brown, green or blue heavy duty material. It can also be supplied in camouflage as per the customer's requirements providing the quantities are sufficiently large to warrant a special print of the camouflage.



7. COMBAT JACKET (BULLET RESISTANT OR FRAGMENTATION)

This jacket can be supplied with two types of protection, either ballistic protection, including the CCUAP, or fragmentation protection. It comes with a protective collar and can be supplied with an optional groin flap. The Combat Jacket offers full protection whilst being extremely light and comfortable to wear. Available in brown, green or blue. Camouflage is available if the quantities required are sufficiently large to warrant a special print.



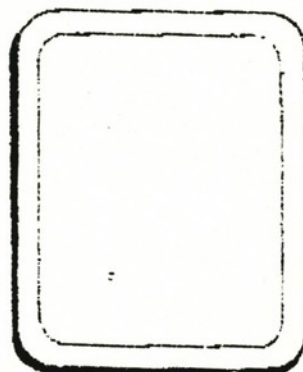
8. SERVICE VEST

This vest has velcro closures at the sides. The zip in the front gives access to the pocket for the CCUAP, if fitted. The ballistic panels are the same as those used in the Undercover Vest hence enabling them to be used for undercover work if required, with the purchase of an Undercover Vest cover at nominal cost. These ballistic panels also fit the General Purpose Vest and the Anorak.

9. (CCUAP) CURVED CERAMIC UP ARMOUR PLATE

This light weight plate is especially designed to a multi-curved format for maximum wearer comfort and can be worn either as a front or back plate. Latest patented state-of-the-art technology ensures that all forward spall - normally associated with ceramics is eliminated. The CCUAP is available in two levels of protection:-

- Type 8: Protection against AK47 Ball or API
- Type 10: NIJ 0101.03 Level IV (FN NATO 7.62mm AP)



10. TRAUMA PACK

When combined with BBA bullet resistant armour, the Trauma Pack will dramatically reduce the effect of blunt trauma. All BBA garments are designed to conform with the trauma requirement of NIJ 0101.03 but when fitted with the BBA trauma pack this can be reduced in all instances to less than 20mm. The BBA trauma pack is very very light and extremely flexible.



WEIGHT Kgs

SIZE	LEVEL I		LEVEL II	
	MEDIUM	LARGE	MEDIUM	LARGE
Rapid Response	1.6	1.9	1.8	2.2
Undercover Vest	2.0	2.4	2.3	2.8
Windbreaker	2.3	2.9	2.5	3.3
Anorak	2.6	3.0	2.8	3.4

SIZE	LEVEL I	LEVEL II
	STANDARD	
Assault/Riot Jacket	2.6	3.2
Assault/Riot Jacket (with groin flap)	3.0	3.7
Combat Jacket	4.0	4.8
Combat Jacket (with groin flap)	4.5	5.3
Curved Ceramic Up Armour Plate	Type 8	2.4
	Type 10	3.4
Trauma Pack		0.25



BALLISTIC BODY ARMOUR c.c.

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PROTECTION LEVEL ~~AT 5~~ METRES
STANDARD FACTORY AMMUNITION

LEVEL 1: WEAPON	WEIGHT: GRAINS	VELOCITY: m/s
.22 Solid	40	350
.32 ACP	71	230
.38	145	210
.38 Special	158	230
.45 ACP	230	260
9mm Short	80	280
Makarov	94	340
9mm Parabellum	115	358
9mm Parabellum	124	332
Scorpion SMG	71	250
9mm SMG	115	358
.357 Magnum	158	358
LEVEL 2:		
9mm Parabellum	124	400
9mm SMG	124	400
.357 Magnum	158	400
.44 Magnum	240	400

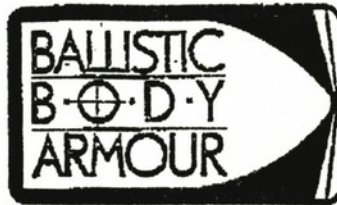
When vest is fitted with Curved Ceramic Up Armour Plate protection behind this plate includes R1 and R4 ball, AK47 ball and API.

When vest is fitted with the Composite Plate protection behind this plate includes Tokarev.



HOW TO CHOOSE THE CORRECT SIZE:

<u>SIZE:</u>	<u>CHEST OR WAIST MEASUREMENT</u>	<u>HEIGHT</u>
Medium	Maximum 95cms	1.83cms
Large	Maximum 115cms	1.88cms
Extra large	Maximum 135cms	1.88cms +



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RETAIL PRICE LIST
BULLET RESISTANT VESTS AND JACKETS

1 NOVEMBER 1992	MEDIUM LEVEL 2	LARGE LEVEL 2	EXTRA LARGE LEVEL 2
RAPID RESPONSE UNDERCOVER VEST	943.63	1040.80	1234.54
GENERAL PURPOSE VEST	1185.45	1433.64	1500.00
SERVICE VEST	1185.45	1433.64	1500.00
WINDBREAKER	1234.55	1487.27	1558.09
ANORAK	1380.90	1615.45	1880.90
	1579.09	1856.36	1923.63

	STANDARD SIZE LEVEL 2
COMBAT JACKET	2230.90
COMBAT JACKET WITH GROIN FLAP	2477.27
GROIN PROTECTOR	271.00

OTHER PRODUCTS	STANDARD SIZE
SWET VEST [SUPER WICKING EVAPOTHERM VEST]	64.54
TRAUMA PACK	95.45
COMPOSITE UP ARMOUR PLATE (Tokarev)	89.54
CURVED CERAMIC UP ARMOUR PLATE [CCUAP] (AK47, FN, R1, R4, R5)	280.00
BRIEFCASE INSERT, (Level 2)	168.18

	MEDIUM	LARGE	EXTRA LARGE
SPARE COVERS FOR RAPID RESPONSE	72.72	78.63	84.09
SPARE COVERS FOR UNDERCOVER VEST	78.63	84.09	89.54
SPARE COVERS FOR SERVICE VEST	109.09	113.63	118.18

PRICES EXCLUDE V.A.T. AND ARE F.O.B. JOHANNESBURG

LEVEL 1 PRICES AVAILABLE ON APPLICATION

P.T.O FOR FURTHER INFORMATION