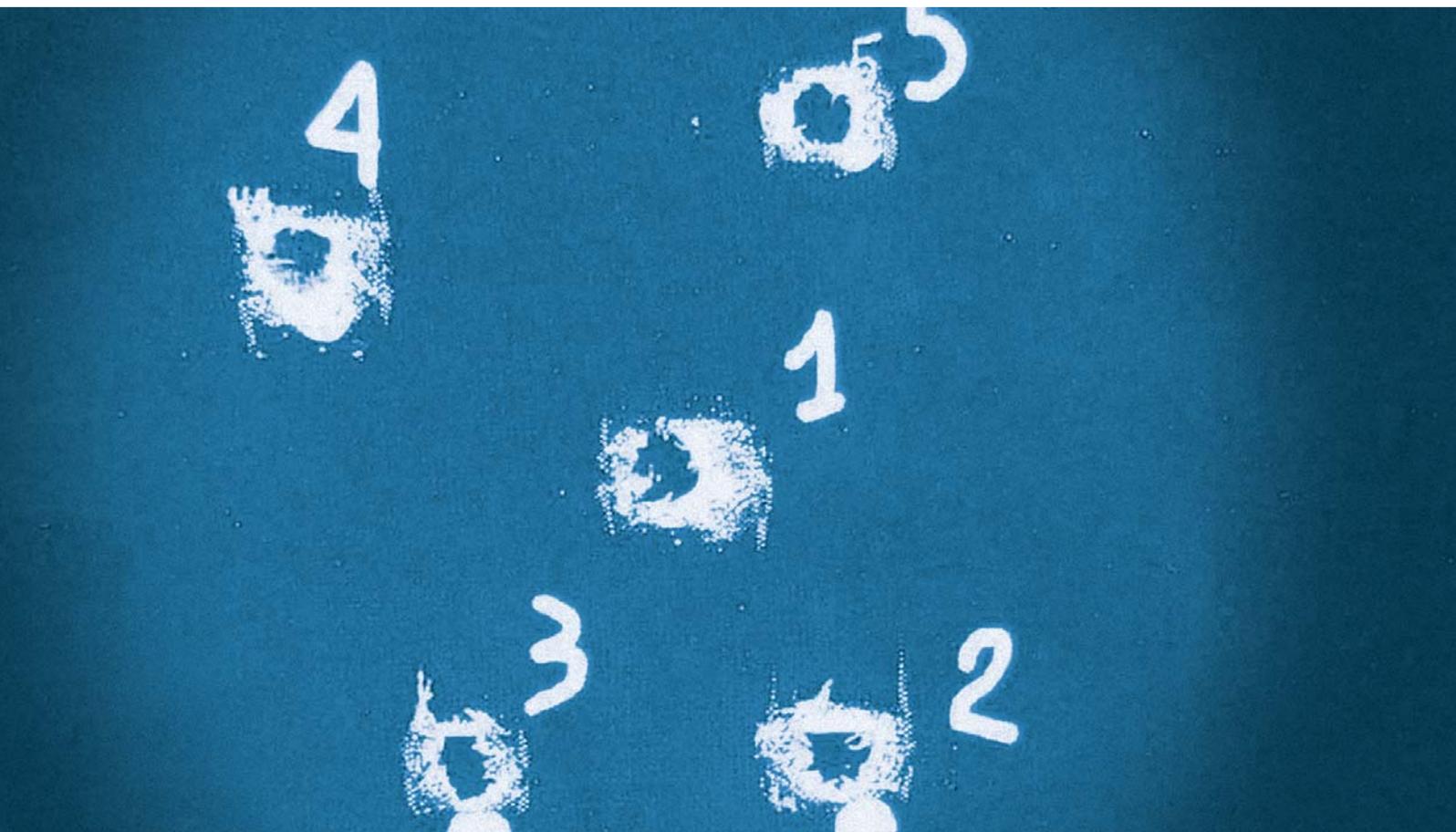


rev. 11-2013



CORAX[®] Armors



Elet.Ca armors are developed to ensure a superior level of ballistic protection and quality, employing typical aerospace industry techniques for the construction of composite materials parts. Armors are manufactured using specific pre-impregnated material, with the resin applied through a fully automated industrial process.

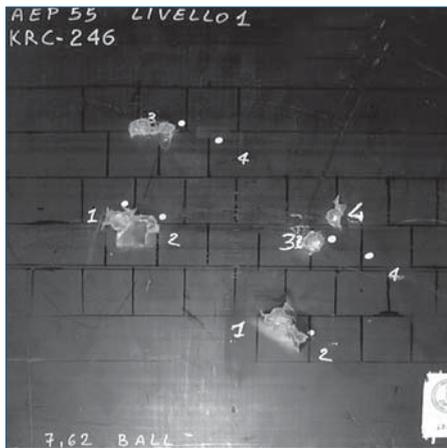
This grants to the products an ideal saturation of the resin, thus eliminating porosities and voids between matrix and fibers, and ensuring an optimal bonding within layers. The panels meet the strictest military standards, as far as the environmental (MIL STD 810) and structural requirements are concerned.

Armors can be delivered also turnkey, complete with the fixtures for fastening on the vehicle.

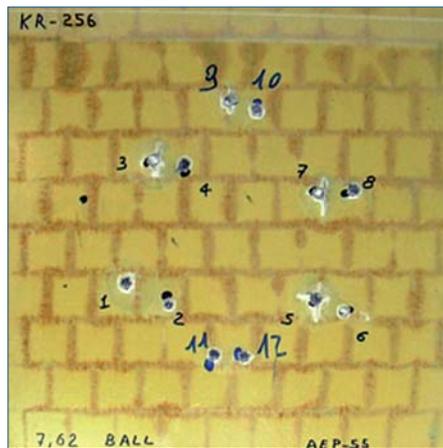
CORAX ANTI BULLET

Mainly designed to be bulletproof. The following table shows the main features and level of protection.

TYPICAL CONFIGURATIONS				
Corax type	Ammunitions	Norm	Thickness (mm)	Weight (kg/m ²)
KF112	9 mm Parabellum	UNI EN 1522 FB2	5.5	6.0
KF124	357 Magnum H.J.H.P.	UNI EN 1522 FB4	11.0	11.5
KF124	44 Magnum H.J.H.P.	UNI EN 1522 FB4	11.0	11.5
KR128	7.62 x 51 NATO Stell Jacket	UNI EN 1522 FB6	18.0	33.0
KR132	7.62 x 51 NATO AP	UNI EN 1522 FB7	22.0	47.0
KRC246	7.62 x 51 NATO ball	STANAG AEP55 Liv. 1	19.0	37.0
KRC256	7.62 x 39 API	STANAG AEP55 Liv. 2	19.0	37.0
KRC266	7.62 x 54 ball Drag. API	STANAG AEP55 Liv. 3	24.0	55.0
KRC280	12.7 x 99 AP M2	-	29.0	75.0
KRC296	14.5 x 144 API	STANAG AEP55 Liv. 4	40.0	115.0



Thickness 18 mm
Weight 35 kg
7,62x51 NATO Ball
SS109 LIV. 1 AEP55



Thickness 18 mm
Weight 36 kg
Kalashnikov - 7,62x39 API
LIV. 2 AEP55



Thickness 23 mm
Weight 54 kg
Dragunov 7,62x54
LIV. 3 AEP55



Thickness 23 mm
Weight 54 kg
Dragunov - 936 m/s 7,62x54 API
LIV. 3 4569



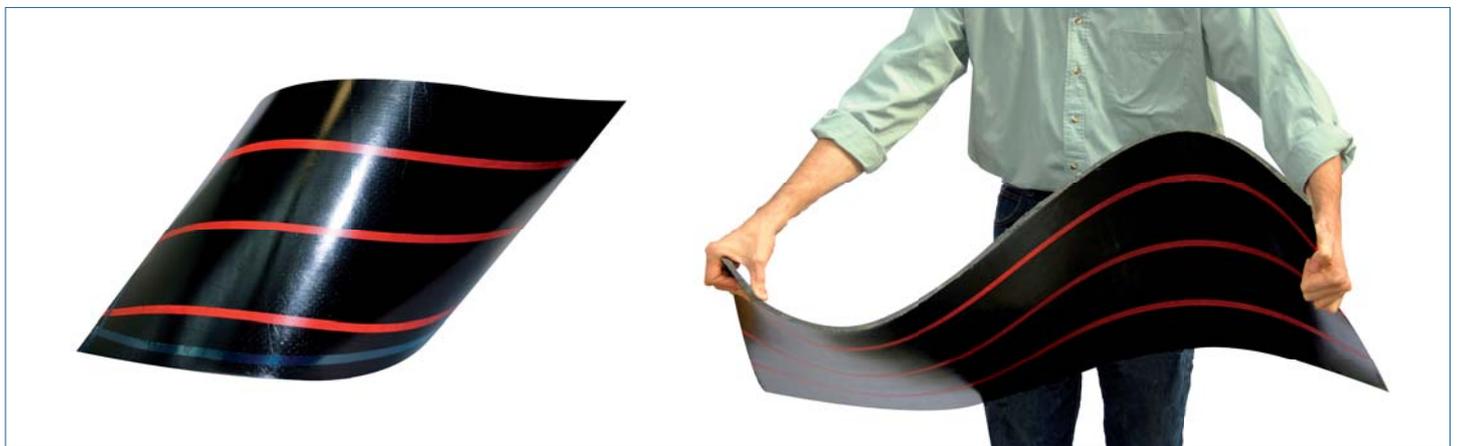
Thickness 24,5 mm
Weight 60 kg
AP WC CORE 7,62x51
LIV. 3 4569

CORAX ANTI FRAGMENT

Mainly designed to be installed inside the basic armor, in order to minimize the "fragment" effect and prevent the related fragmentation.

The table shows the main features and level of protection.

TYPICAL CONFIGURATIONS			
Corax type	Speed (m/sec) - V50	Thickness (mm)	Weight (kg/m ²)
KF142	780	20.0	20.0
KF135	740	16.5	16.5
KF132	690	15.0	15.0
KR128	630	13.0	13.0
KF122	610	11.0	11.0
KF32/2	690	14.5	18.0
KF32/4	740	15.5	20.0



Ballistic protection examples, anti bullet panels

CORAX ARMORED DOORS

Elet.Ca has developed Corax[®] anti bullet panels for application in armored doors according to the most common UNI EN 1522 homologations:

FB2

9 mm parabellum
thickness 6 mm
weight 6.0 kg/m²

FB4

44 magnum and 357 magnum
thickness 11 mm
weight 12 kg/m²

Thanks to the panels' light weight, the substitution of door hinges is not required; inserting the panels into the door structure is also made easier.

According to the door specifications, panels can be supplied with slots to accommodate locks, bars and handles.

Corax[®] panels can also be employed as the structure for the door itself and can be easily painted.

In addition to anti-bullet properties, panels guarantee protection against pointed tools such as pick axes.

Superior protection levels (eg. to diamond grinding wheels) can be obtained through panels of different composition and weight.



Elet.Ca reserves the right to modify product specifications without notice, for the purpose of operating needs or efficiency improvements. According to applicable laws, any use of images, text and logotypes in this publication is forbidden.

ELET.CA

via Pistoiese, 155/A • 50058 Signa, Firenze - Italy • tel. +39 . 055 895 19 44 • fax +39 . 055 895 44 29
info@eletca.it • www.eletca.it • www.marcegaglia.com

