



LIGHTER MATERIALS, HEAVIER PROTECTION WITH RAMOR 550.

**RUUKKI SPECIAL STEELS.
THE NEW DEFINITION FOR PREMIUM.**

Ramor 550 is the new protection steel from Ruukki. Compared to its rivals, it enables high protection levels with lighter structures, resulting in significant savings in weight. Ramor 550 is the perfect choice for advanced protection and mobility.

Ramor 550 has the best workshop properties in its hardness class. Our sophisticated process control and effective leveling ensure outstanding properties from batch to batch. Ramor 550 can be formed, bent and welded with all common methods.

To improve its ballistic and blast resistance, new Ramor 550 is produced with our unique patented direct quenching technology. This makes it six times stronger and harder than mild steels.

Ramor 550 is ideal for civilian armoured vehicles and other weight critical applications such as clearing vehicles, military vehicles, military equipment and secured containers.



RUUKKI
PART OF SSAB

RAMOR 550 CHEMICAL COMPOSITION

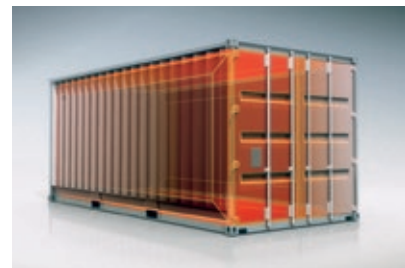
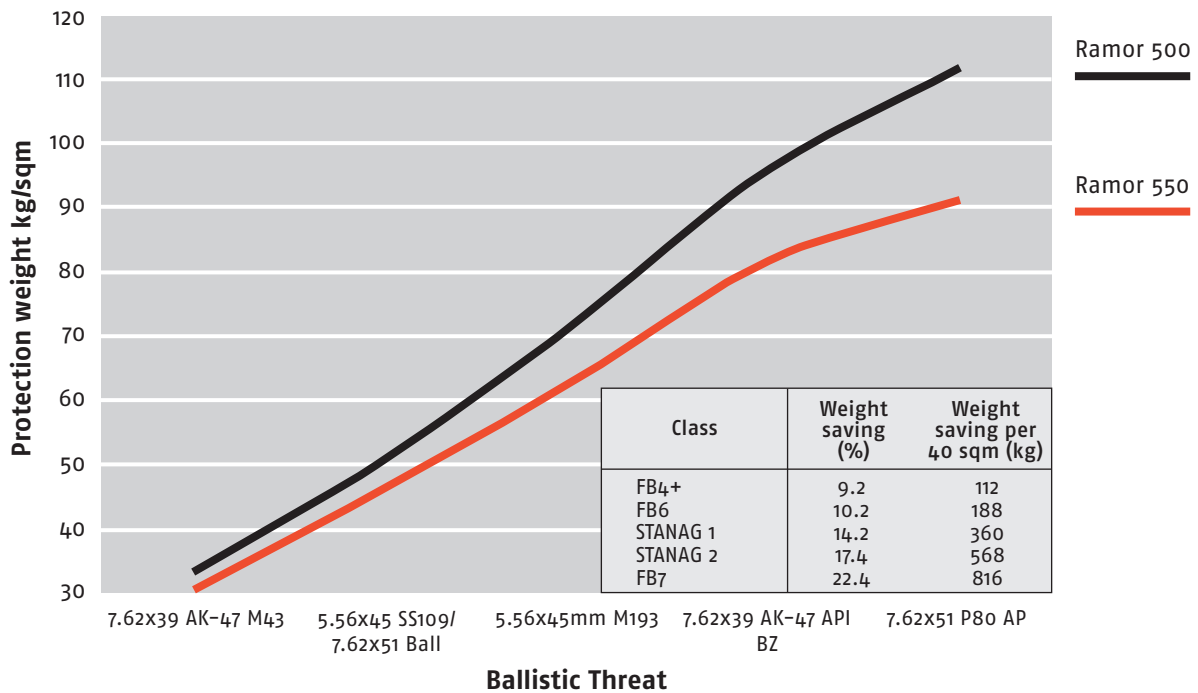
	C	SI	MN	P	S	AL	N	CU	CR	NI	MO	B	Cev typical
max	.36	.60	1.00	.012	.003	.060	.080	.300	1.5	2.50	.80	.005	0.78

RAMOR 550 TYPICAL MECHANICAL PROPERTIES

Yield strength	Tensile strength	Elongation	Hardness	Impact strength	Charpy V
Mpa	Mpa	%	HB	t °C	J
1550	1850	7	540-600	-40	16

DIMENSIONAL RANGE 3mm to 15mm

Weight of ballistic protection vs. threat level: Ramor 550 vs. 500



Ruukki provides its customers with energy-efficient steel solutions for better living, working and moving.