



TITANIUM



FIAMM



TITANIUM





TITANIUM RANGE: EXPERTISE AND INNOVATION

The TITANIUM range comes from FIAMM expertise and technology, resulting from the OEM first outfit, manufacturing process and technology business nowadays available in the spare parts market, a top level product with a strong Italian personality.

A close-up, low-angle shot of a red sports car, focusing on the headlight and side mirror. The car's body is highly reflective, showing highlights and shadows that emphasize its sleek design. The background is dark, making the car stand out.

FIAMM

THE BEST AMONG THE BEST.

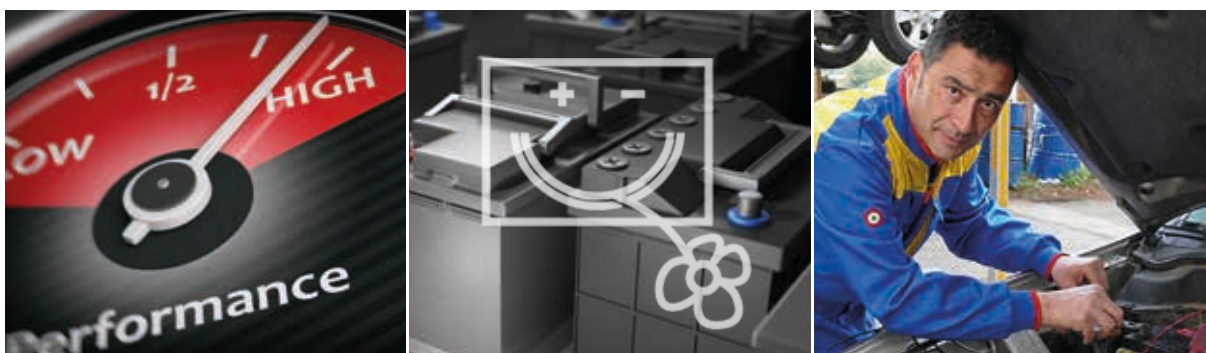
Now FIAMM is the world leader for top quality starter batteries for the first outfit of some of the world's most prestigious car manufacturers, that is: Opel-Vauxhall, Mercedes Benz, Peugeot-Citroën, Renault, Ferrari, Maserati, FCA Group, Volvo, Jaguar, Toyota and Nissan.

DEFINITELY FIAMM.

TITANIUM PRO and **black TITANIUM** are FIAMM quality products, meet the European EN reference standards, contribute to respect for the environment with the programme for exhaust battery recovery called "Raccolta Amica"* and are recommended by the specialists of FIAMM Network.

FIAMM can count on a many sales points including workshops, car electricians and spare parts vendors specialised in energy in Italy. FIAMM has privileged the relationship with these professionals since the start. This relationship, in addition to the many signs found nationwide, has allowed us to acquire notoriety and become known by motorists too. There are more than 1200 workshops which, all over Italy, joined the programme of FIAMM Network obtaining benefits as for visibility, recognisability, dedicated discounts and promotions.

* AVAILABLE ONLY IN ITALY.



ENFORCEMENT DATE OF EN 50342-1: 2015-11

The new edition of EN 50342-1 came into force at the **end of 2018**.

EN 50342-1: Lead-acid starter batteries - Part 1: General requirements and methods of test.

This standard governs measurement of the electrical and mechanical properties of lead-acid batteries for automotive applications.

One of the innovations of the 2015 edition of EN 50342-1 is the classification of some battery performances levels.

THE PERFORMANCE
TO BE CLASSIFIED
AND THE RESPECTIVE
LEVELS ARE:

EN 50342-1: 2015	MIN	MAX
Water consumption	W1	W5
Charge storage	C1	C2
Resistance to vibrations	V1	V4
Cycle duration	E1	E4

Example of specifications stated on label:

12 V 180 Ah 1100 A EN
EN 50342-1: W2-C2-V3-E2

TITANIUM

SEPARATOR

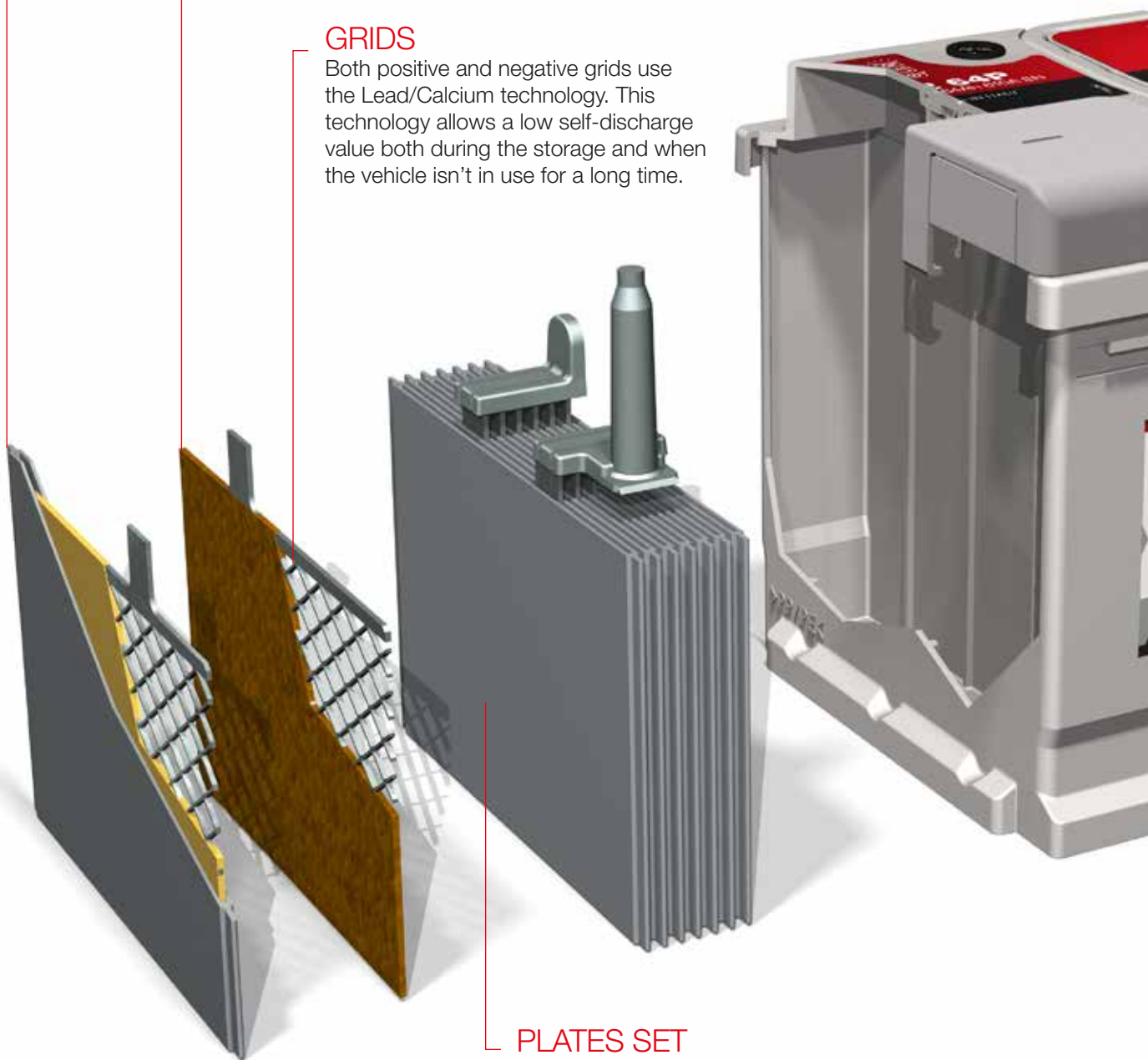
Microporous separator more resistant to traction, mechanical perforation and oxidation. Reduced risk for short circuits between positive and negative plates.

PLATES

Optimization of the density and formulation of the active masses to guarantee the stability of the functional characteristics and make the battery performance constant over time.

GRIDS

Both positive and negative grids use the Lead/Calcium technology. This technology allows a low self-discharge value both during the storage and when the vehicle isn't in use for a long time.



PLATES SET

The high purity of the components and the optimization of the production processes guarantee greater reliability in operation.



MATCHING QUALITY SPARE PARTS

FIAMM original batteries are produced at the same manufacturing plants where the first outfit components are manufactured; they are all certified according to the Automotive ISO/TS 16949 standard, using the same technology, labour, tooling and controls approved by the car manufactures concerned.



SPC COVER

(SAFETY POWER CHECKED)

It is available on all batteries, "L" and "LB" series, in the TITANIUM range: the SPC (Safety Power Checked) cover has a ducting system with a single gas exhaust port and a flame arrester pad, inside the cover, to zero the risks caused by occasional sparks or open flames outside of the battery.

The SPC cover is currently used as first outfit on all new vehicles of the major car manufacturers.



MAINTENANCE-FREE ACCORDING TO EN 50342 STANDARD

TITANIUM range batteries do not require any top up all life long. Water consumption is so low that the factory reserve of electrolyte is enough for all the years of battery utilisation.

According to the current EN 50342-1:2006-04 standard on L and LB TITANIUM series batteries, the water consumption level is lower than 1 g/Ah.



TITANIUM



TITANIUM PRO: maximum power for the most demanding requirements by modern cars, in the most common European sizes (DIN), with the certainty of a 100% Italian product.

SPC (Safety Power Checked) cover used by the European car manufacturers, maintenance free according to EN 50342 standard and qualified as MATCHING QUALITY SPARE PART according to the European regulations EU 461/2010 are the main product benefits.

Useful Check Control on the whole range, for a quick check of the best load conditions.





TITANIUM PRO MAIN ADVANTAGES

- › high functionality of the cover
- › low self-discharge
- › corrosion resistance
- › high starting power
- › safety guaranteed with flame arrester pad
- › maintenance-free thanks to the use of the Calcium/Lead technology

TECHNICAL SPECIFICATIONS

								EN 50342-1:2015 - EN 50342-6:2015			
ID code	ETN	EAN code	Capacity Ah	A EN	Size LxDxH (mm)	Polarity scheme	Base fastener	Water consumption	Charge Retention	Resistance to vibrations	Endurance Mycro Cycle
L0 44P	544 150 039	8009601214160	44	390	175x175x190	0/1	B13	W3	C2	V2	E1
L1 44P	544 107 039	8009601214177	44	390	207x175x190	0/1	B13	W3	C2	V2	E1
L1B 44P	544 111 042	8009601214184	44	420	207x175x175	0/1	B13	W3	C2	V2	E1
L1 50P	550 150 046	8009601214191	50	460	207x175x190	0/1	B13	W3	C2	V2	E1
L1B 50P	550 150 052	8009601214207	50	520	207x175x175	0/1	B13	W3	C2	V2	E1
L1 54P	554 150 052	8009601214214	54	520	207x175x190	0/1	B13	W3	C2	V2	E1
L2B 54P	554 150 054	8009601214221	54	540	242x175x175	0/1	B13	W3	C2	V2	E1
L2 60P	560 155 054	8009601214238	60	540	242x175x190	0/1	B13	W3	C2	V2	E1
L2X 60P	560 156 054	8009601214245	60	540	242x175x190	1/1	B13	W3	C2	V2	E1
L2B 60P	560 119 060	8009601214252	60	600	242x175x175	0/1	B13	W3	C2	V2	E1
L2 64P	564 150 061	8009601214269	64	610	242x175x190	0/1	B13	W3	C2	V2	E1
L2X 64P	564 151 061	8009601214269	64	610	242x175x190	1/1	B13	W3	C2	V2	E1
L3 70P	570 111 064	8009601214283	70	640	278x175x190	0/1	B13	W3	C2	V2	E1
L3B 71P	571 101 068	8009601214290	71	680	278x175x175	0/1	B13	W3	C2	V2	E1
L3 74P	574 102 068	8009601214306	74	680	278x175x190	0/1	B13	W3	C2	V2	E1
L3X 74P	574 103 068	8009601214313	74	680	278x175x190	1/1	B13	W3	C2	V2	E1
L3B 75P	575 150 073	8009601214320	75	730	278x175x175	0/1	B13	W3	C2	V2	E1
L3 80P	580 150 073	8009601214337	80	730	278x175x190	0/1	B13	W3	C2	V2	E1
L4B 85P	585 150 076	8009601214344	85	760	315x175x175	0/1	B13	W3	C2	V2	E1
L5 90P	590 150 080	8009601214351	90	800	353x175x190	0/1	B13	W3	C2	V2	E1
L5 100P	600 150 087	8009601214368	100	870	353x175x190	0/1	B13	W3	C2	V2	E1



TITANIUM

Black TITANIUM: the entire FIAMM expertise for a safe start.

MATCHING QUALITY SPARE PART qualification according to the Regulation EU 461/2010 and Check Control (only JIS formats) valorize the product.
Maintenance-free according to EN 50342 standard.





BLACK TITANIUM MAIN ADVANTAGES

- › low self-discharge
- › corrosion resistance
- › maintenance-free thanks to the use of the Calcium/Lead technology

TECHNICAL SPECIFICATIONS

							EN 50342-1:2015			
ID code	ETN	Capacity Ah	A EN	Size LxWxH (mm)	Layout/ Terminal	Hold down	Water consumption	Charge Retention	Resistance to vibrations	Endurance
B19J 40	540 150 036	40	360	187x127x220	0/3	B00	W3	C2	V2	E1
B19JX 40	540 151 036	40	360	187x127x220	1/3	B00	W3	C2	V2	E1
B19JAK 40	540 155 036	40	360	187x127x220	0/3	B01	W3	C2	V2	E1
L1 44	544 150 036	44	360	207x175x190	0/1	B13	W3	C2	V2	E1
E2 45	545 115 033	45	330	218x133x223	0/1	B00	W2	C2	V2	E1
E2X 45	545 116 033	45	330	218x133x223	1/1	B00	W2	C2	V2	E1
B24 50	550 111 040	50	400	237x128x225	0/1	B00	W3	C2	V2	E1
B24X 50	550 112 040	50	400	237x128x225	1/1	B00	W3	C2	V2	E1
B24J 50	550 113 040	50	400	237x128x225	0/3	B00	W3	C2	V2	E1
B24JX 50	550 114 040	50	400	237x128x225	1/3	B00	W3	C2	V2	E1
D20 50	550 150 042	50	420	200x170x223	0/1	B01 (Int.)	W4	C2	V2	E1
D20X 50	550 151 042	50	420	200x170x223	1/1	B01 (Int.)	W4	C2	V2	E1
L1X 50	550 151 046	50	460	207x175x190	1/1	B13	W3	C2	V2	E1
L2B 50	550 150 048	50	480	242x175x175	0/1	B13	W3	C2	V2	E1
L2 55	555 112 048	55	480	242x175x190	0/1	B13	W3	C2	V2	E1
L2 60	560 102 051	60	510	242x175x190	0/1	B13	W3	C2	V2	E1
L2X 60	560 103 051	60	510	242x175x190	1/1	B13	W3	C2	V2	E1
D23 60	560 150 054	60	540	230x170x223	0/1	B01 (Int.)	W4	C2	V2	E1
D23X 60	560 151 054	60	540	230x170x223	1/1	B01 (Int.)	W4	C2	V2	E1
L3B 66	566 150 060	66	600	278x175x175	0/1	B13	W3	C2	V2	E1
GR24 70	570 113 054	70	540	270x175x225	0/1	B07/B12	W3	C2	V2	E1
GR24X 70	570 114 054	70	540	270x175x225	1/1	B07/B12	W3	C2	V2	E1
L3 70	570 109 060	70	600	278x175x190	0/1	B13	W3	C2	V2	E1
L3X 70	570 110 060	70	600	278x175x190	1/1	B13	W3	C2	V2	E1
L3 74	574 150 064	74	640	278x175x190	0/1	B13	W3	C2	V2	E1
D26 75	575 150 064	75	640	259x178x221	0/1	B01 (Int.)	W3	C2	V2	E1
D26X 75	575 151 064	75	640	259x178x221	1/1	B01 (Int.)	W3	C2	V2	E1
L4 95	595 150 085	95	850	315x175x190	0/1	B13	W3	C2	V2	E1
L4X 95	595 151 085	95	850	315x175x190	1/1	B13	W3	C2	V2	E1
L5B 85	585 104 076	85	760	353x175x175	0/1	B13	W3	C2	V2	E1
L5 88	588 150 076	88	760	353x175x190	0/1	B13	W3	C2	V2	E1
D31 95	595 150 076	95	760	302x172x220	0/1	B01 (Int.)	W3	C2	V2	E1
D31X 95	595 151 076	95	760	305x178x221	1/1	B01 (Int.)	W3	C2	V2	E1
L6 110	610 150 095	110	950	394x175x190	0/1	B13	W3	C2	V2	E1

Discover more
about the
FIAMM range



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