

CE TYPE APPROVAL CERTIFICATE

n. **52513501/OE**

2013/12/12

This is to certify, that the hereunder described items of Personal Protective Equipment have overcome positively the "CE type examination", proving their conformity to the safety and health requirements of the Directive 89/686/EEC

Manufacturer:
(Responsible of the PPE)

LEATT CORPORATION

50, Kiepersol Cresc., Atlas Gardens – Contermanskloof –
DURBANVILLE – ZA-7550 CAPE TOWN – SOUTH AFRICA.

Type of PPE:

"Body-armor" for use by motorcyclists – including protectors of the back, the chest and the shoulders, in conformity with Harmonized Technical Standard: **EN 1621-1:2012** + Draft Standards: **F prEN 1621-2:2013 + prEN 1621-3**; + a neck brace in accordance with the European Directive 89/686/EEC.

Category of PPE:

II: Personal Protective Equipment against "medium" risks.
This certificate is based on the reference standards listed below: its validity is no longer ensured should new versions of the standards come into force.

Model

"Fusion vest LEATT 2.0 Jr"

(codes: 10140100xx)

Description:

some ex. different variants:



Body- armor incorporating back + chest + shoulder + neck-brace protectors, intended for motorcycling use. Description of the col. **GREEN/BLACK** variant = code **1014010001 (*)**:

- CHEST PROTECTOR:

construction: two layers of black foamed material - external coating: black fabric and green perforated textile with black/grey elastomeric insert marked "LEATT" in white - internal coating (in contact with the body): black perforated textile - edge: black elastic fabric- fastening system: two belts with hook&loop closure;

- BACK PROTECTOR:

construction: two layers of black foamed material - external coating: black perforated fabric and green perforated fabric with an insert in black/grey elastomeric mat. marked "FUSION" in white - internal coating (in contact with the body): black perforated fabric - edge: black elastic fabric - fastening system: two belts with hook&loop closure.

- SHOULDER PROTECTOR:

construction: black foamed material - external coating and internal coating (in contact with the body): black perforated fabric with an insert in elastomeric mat. marked "LEATT" in white - edge: black elastic fabric - fastening system: a strap with hook&loop closure;

NECK BRACE:

construction: two semicircles in glass-filled-nylon marked "LEATT" color green and connected on one half with a black elastomeric material and on the other half with another linchpin with a red switch placed inside the collar – this is the device for the emergency removal in case of accidents - padding: declared in EVA and PEX glued on the whole circumference of the collar - rear side: declared in glass filled nylon color green.

(*)= This "Body-Armor" is available in the following variants:

CE TYPE APPROVAL CERTIFICATE

n. **52513501/OE**

2013/12/12

Model (=color/size variants):

Product Name	Part No
Fusion Vest LEATT 2.0 Junior #S/M 105-125cm Green/Black	1014010001
Fusion Vest LEATT 2.0 Junior #L/XL 125-150cm Green/Black	1014010002
Fusion Vest LEATT 2.0 Junior #S/M 105-125cm Orange/Black	1014010005
Fusion Vest LEATT 2.0 Junior #L/XL 125-150cm Orange/Black	1014010006
Fusion Vest LEATT 2.0 Junior #S/M 105-125cm Red/Black	1014010010
Fusion Vest LEATT 2.0 Junior #L/XL 125-150cm Red/Black	1014010011
Fusion Vest LEATT 2.0 Junior #S/M 105-125cm White/Black	1014010015
Fusion Vest LEATT 2.0 Junior #L/XL 125-150cm White/Black	1014010016
Fusion Vest LEATT 2.0 Junior #S/M 105-125cm Black/Black	1014010018
Fusion Vest LEATT 2.0 Junior #L/XL 125-150cm Black/Black	1014010019

Technical Standard:

prEN 1621-2:2013 (dd. 07/2013)	Motorcyclists' protective clothing against mechanical impact - Part 2: Motorcyclists' back protectors – Requirements and test methods.
prEN 1621-3 (dd. 13/06/2012)	Motorcyclists' protective clothing against mechanical impact - Part 3: Motorcyclists' chest protectors – Requirements and test method.
EN 1621-1: 2012	Motorcyclists' protective clothing against mechanical impact - Part 1: Motorcyclists' limb joint impact.
Directive 89/686/EEC (+ analogue method EN 1621-2 :2003)	On the approximation of the laws of the Member States relating to personal protective equipment: for the "neck-brace" health & safety basic requirements.
me-int 074-00	Internal method: ergonomics, tensile strength, information sheet.

Intended use:

Motorcycling: preventive use against mechanical impacts on torso and neck for junior riders – protection is given by this garment only when fully equipped of its connected protectors firmly stitched / inserted into the garment, and implemented by suitable additional motorcycling equipments.

Size range:

FB = Full Back

Commercial sizes	Height range (ref.: NECK-brace)	Waist to shoulder length (cm) in accordance with prEN 1621-2:2013	CODES
Junior S/M	105 - 125	23 – 27 cm	1014010001/005/010/015/018
Junior L/XL	125 - 150	28 – 31 cm	1014010002/006/011/016/019

Protector sizes:
(area of protection)

- **FULL Chest, Type A.**
- **"S" (= Shoulder) Type A.**

Technical File:

DC-6348 (including Application to **RCT** and Technical Documents).

Test report:

n°324007.01/E

Basis of evaluation:

Applicable requirements of the European Directive 89/686 and reference Standards (a revised edition of the present Certification might be required in case a new Harmonized Standard is issued to cover the specific purposes of this special kind of "complex" P.P.E.).

CE TYPE APPROVAL CERTIFICATE

n. **52513501/OE**

2013/12/12

Functions:

This "body-armor" incorporates and combine the protective functions of the following certified protectors - to reduce the severity of traumas caused by impacts during motorcycling activities. The following results have been obtained:

Typical test results obtained (see also Test Report):

BACK: Method: "Kerbstone" impact testing at 50J;
From the values of transmitted force obtained at mandatory test= standard ambient condition + after hydrolytic treatment the **performance level reached is 1.**

SHOULDER protectors: Method: planar face drop striker at 50 J;
From the values of transmitted force obtained at mandatory test=standard ambient conditions + after hydrolytic treatment the **performance level reached is 2.**

CHEST: Method: "flat impactor" at 50J:

Impact force transmission:	REQUIREMENTS	standard atmosph. (+23°±2°C/50 ±5% r.h.)	Wet conditions Hydrolytic ageing (72h/+70°C)
Mean kN	≤ 20	11.5	11.1
Max kN	≤ 35	13.0	11.2

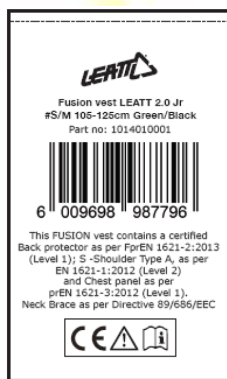
Force distribution 50J mean result:
standard atm. **22%** / wet conditions **19%** = **Level reached: 1.**

NECK: Method: "Kerbstone" impact testing at 50J with ref. to EN 1621-2 requirements (analogous method) - obtained values of transmitted force (MAX):
Perpendicular impact: 5.7 kN - Horizontal impact: 3.6 kN

NOTE: the Technical Standards EN 1621-1 + -2 and the draft prEN 1621-3 indicate 2 performance levels – level 2 provides the maximum protection.

NOTE 2: The protective functions also depend on the correct positioning of the protector, which is not part of this assessment.

Marking:



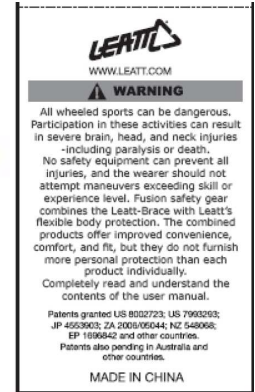
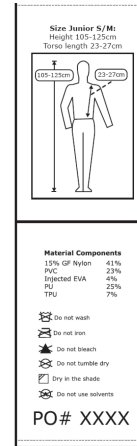
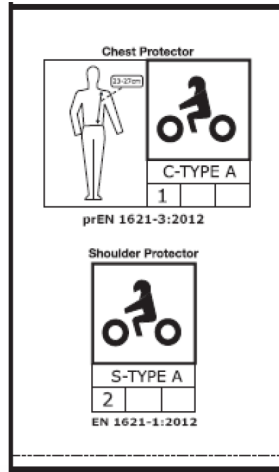
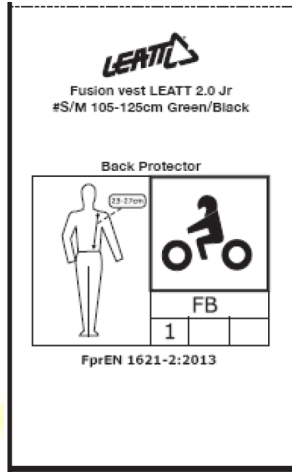
printed on 2 folded labels (double-side label) stitched to the textile part of the protector –the following information are included:

- **CE Marking** indicating the conformity of the PPE to the provisions of the Directive 89/686/CEE (and later amendments) +
- Registered Trademark of the Manufacturer;
- Univocal indication of the P.P.E. article name + code;
- Indication of the Technical Harmonized Standards referred to (and to the prEN=Draft Technical document for the chest);
- Pictogram inviting users to read the Information Notice before use;
- Pictogram in accordance with EN 1621-1 /2 /3 indicating the intended use of the P.P.E. (= motorcycling use) with Type (protected area) + level of performance;
- International care symbols/washing instructions (negative symbols
- Pictogram required by the Standard for the indication of the W-S length / height + commercial size + mat. components.

CE TYPE APPROVAL CERTIFICATE

n. 52513501/OE

2013/12/12



Note: the TECHNICAL FILE contains: - a more detailed description of the PPE (material, method of assembly, photographs or drawings) - performance data, safety functions and level of protection - elements of conformity to the basic and supplementary requirements - description and significance of the CE-marking. The Technical File is integral part of the present Certification, which has to be kept available by the applicant to be forwarded - upon request - to the entitled person (e.g. final customer, supervising body, Controlling Officer).