




## CE TYPE APPROVAL CERTIFICATE

n. **52514091/OE**

2014/02/28

*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)	<b>LEATT CORPORATION</b> 50, Kiepersol Cresc., Atlas Gardens – Contermanskloof – DURBANVILLE – ZA-7550 CAPE TOWN – SOUTH AFRICA.
Type of PPE:	<b>"Body-armor" for use by motorcyclists</b> – including protectors of the back, the chest and the shoulders, in conformity with Harmonized Technical Standard: <b>EN 1621-1:2012 + EN 1621-2:2014 + Draft Standard: prEN 1621-3:2012.</b>
Category of PPE:	<b>II:</b> Personal Protective Equipment against "medium" risks. This certificate is based on the reference standards listed below: <b>its validity</b> is no longer ensured should new versions of the standards come into force.
Model	<b>" CHEST PROTECTOR LEATT 5.5 PRO HD "</b> <b>(codes: 5014101101/102/103)</b>
Description: <b><u>BLACK:</u></b>	Body- armor incorporating back + chest + shoulder protectors, intended for motorcycling use. Description of the col. <b>BLACK</b> variant = <b>code 5014101101 (*)</b> :  <b>CHEST PROTECTOR:</b> <u>design</u> : multilayer construction; <u>external shell</u> : black plastic material, stitched on the internal part and marked "LEATT 5.5 HD PRO" in white; <u>external coating</u> : in fabric col. black/grey matched with grey foamed mat.; <u>padding</u> : black perforated material; <u>internal coating (in contact with the body)</u> : black fabric matched with grey foamed material; <u>edge</u> : black elastic fabric.  <b>BACK PROTECTOR:</b> <u>design</u> : multilayer construction; <u>external shell</u> : black plastic material stitched on the internal part and marked "LEATT 5.5 HD PRO" in white; <u>external coating</u> : black/grey fabric matched with grey foamed material; <u>padding</u> : two detachable parts (one part covering the back and the other one covering the neck) made of a double layer of black perforated foamed material; <u>internal coating (in contact with the body)</u> : black textile fabric matched to grey foamed mat.; <u>edge</u> : black elastic fabric.  <b>SHOULDER PROTECTOR:</b> <u>design</u> : multilayer construction; <u>external shell</u> : black plastic material stitched on the internal part and marked "LEATT" in white; <u>external coating</u> : white fabric matched with grey foamed material; <u>internal coating (in contact with the body)</u> : black fabric matched with grey foamed material; <u>padding</u> : black foamed material; <u>edge</u> : white elastic fabric.  <b>BICEPS pads:</b> entirely made in grey foamed material covered on both sides with a black fabric and with a border in black elastic fabric; the biceps protectors are fixed to the shoulder by means of a snap.  This body-armor also includes further pads for the ribs: <u>external shell</u> : black plastic material stitched to the internal part; <u>external coating</u> : white fabric matched to grey foamed mat.; <u>internal coating (in contact with the body)</u> : black fabric matched to grey foamed mat.; <u>edge</u> : white elastic fabric.  <b>(*)=</b> This "Body-Armor" is available in the following <u>other 2 variants</u> : - <b>code 5014101102 = WHITE rigid plastic shells</b> - <b>code 5014101103 = just for size, in BLACK XXL.</b>
    <b><u>WHITE:</u></b> 	

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Technical Standard:	<div>EN 1621-2:2014Motorcyclists' protective clothing against mechanical impact - Part 2: Motorcyclists' back protectors – Requirements and test methods.</div> <div>prEN 1621-3 (dd. 13/06/2012)Motorcyclists' protective clothing against mechanical impact - Part 3: Motorcyclists' chest protectors – Requirements and test method.</div> <div>EN 1621-1: 2012Motorcyclists' protective clothing against mechanical impact - Part 1: Motorcyclists' limb joint impact.</div>														
Intended use:	preventive use against mechanical impacts during off-road and downhill bicycle and motorbike activities – 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:	<table><tr><td rowspan="4">Commer- cial sizes</td><td>Waist to shoulder length (cm) in accordance with prEN 1621-2:2013</td><td>CODES</td></tr><tr><td>S/M</td><td>45 – 50 cm</td><td>5014101101</td></tr><tr><td>XL (*)</td><td>45 – 50 cm</td><td>5014101102</td></tr><tr><td>XXL (*)</td><td>49 – 54 cm</td><td>5014101103</td></tr></table>			Commer- cial sizes	Waist to shoulder length (cm) in accordance with prEN 1621-2:2013	CODES	S/M	45 – 50 cm	5014101101	XL (*)	45 – 50 cm	5014101102	XXL (*)	49 – 54 cm	5014101103
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	S/M	45 – 50 cm	5014101101												
	XL (*)	45 – 50 cm	5014101102												
	XXL (*)	49 – 54 cm	5014101103												
<div><b>FB = Full Back</b></div> <div>(*) = the difference between sizes is not only measured in W-S length, but also for the dimensions of the plates and of the “jacket” (textile parts/raisers &amp; belts).</div>															
Protector sizes: (area of protection)	<div>- <b>FULL Chest, Type A.</b></div> <div>- <b>“S” (= Shoulder) Type A.</b></div>														
Technical File:	DC-6265 (including Application to RCT and Technical Documents).														
Test report:	n°330312/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. ).														

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**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 2.**

**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 1.**

**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	12.1	7.7
Max kN	≤ 35	22.7	11.6

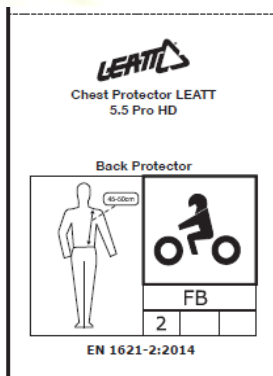
Force distribution 50J mean result:

standard atm. **45%** / wet conditions **31% = Level reached: 2**

**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:**



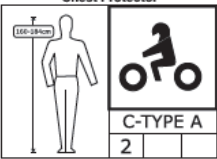


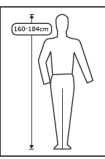
printed on 2 folded labels (double-side label) stitched to the textile part of the protector –the following information are included:

- **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 or prEN 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.

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<p><b>Chest Protector</b></p>  <p>prEN 1621-3:2012</p> <p><b>Shoulder Protector</b></p>  <p>S-TYPE A</p> <p>1</p> <p>EN 1621-1:2012</p>	<p><b>LEATT</b></p> <p><b>Chest Protector LEATT</b> 5.5 Pro HD Black Part no: 5014101101</p>  <p>6 009698 988137</p> <p>This Product contains a certified Back protector as per EN 1621-2:2014 (Level 2); S - Shoulder Type A as per EN 1621-1:2012 (Level 1) and Chest panel as per prEN 1621-3:2012 (Level 2)</p> 	<p>Size Adult S/M - XL Height 160-184cm</p>  <p><b>Material Components</b></p> <table border="1"> <tr> <td>TPU</td> <td>34%</td> </tr> <tr> <td>Hardware</td> <td>5%</td> </tr> <tr> <td>PU</td> <td>2%</td> </tr> <tr> <td>PEX + Lycral</td> <td>27%</td> </tr> <tr> <td></td> <td>32%</td> </tr> </table> <p> <input type="checkbox"/> Cold wash  <input type="checkbox"/> Dry in the shade  <input type="checkbox"/> Do not iron  <input type="checkbox"/> Do not bleach  <input type="checkbox"/> Do not tumble dry  <input type="checkbox"/> Do not use solvents         </p> <p>PO# XXXX</p>	TPU	34%	Hardware	5%	PU	2%	PEX + Lycral	27%		32%	<p><b>LEATT</b></p> <p>WWW.LEATT.COM</p> <p><b>WARNING</b></p> <p>Leatt's personal protective equipment is designed and intended to protect the wearer from minor injuries caused by dirt, rocks, debris, and minor impacts. Protective equipment is not designed or intended to protect a wearer from serious bodily injuries resulting from hard collisions, crashes, or fires. Events capable of inflicting serious personal injury may exceed the protective capacity of these products.</p> <p>International Patent rights Pending.</p> <p>MADE IN CHINA</p>
TPU	34%												
Hardware	5%												
PU	2%												
PEX + Lycral	27%												
	32%												



**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).