

## SECTION 6 – MARKING & USER INSTRUCTIONS



### Impact Protectors suitable for Use in Motorcycle Clothing

The protector has been tested by SATRA Technology Centre Ltd, Wyndham Way, Telford Way industrial Estate Kettering, Northamptonshire NN 16 8SD, United Kingdom in accordance with the European standard EN 1621-2:2014 Motorcyclists’ protective clothing against mechanical impact – part 2: Requirements and test methods for back protectors.

The protector is designed to provide limited protection against minor injuries caused by impacts with road surfaces as a result of a motorcycle accident.

This product is intended to be worn inside a suitable pocket within an appropriate outer garment.

The inclusion of CE approved impact protectors in a garment does not imply that the whole garment is CE approved.

### Product Identification

Product Name / Code	Size	Intended Wearer Torso Length (cm)	Protector Style	Performance Level Achieved	The Maximum Mean Transmitted Force Recorded During Assessment (kN)
Impact Core B – L PRO	Large	46-50 cm	FB	2	6.19 kN
Impact Core B – M PRO	Medium	41-45 cm			
Impact Core B – S PRO	Small	36-40 cm			

Protector Style & Type. The protector style denotes the area the pad covers (FB = Full Back Protector, CB = Central Back Protector, LB = Lower Back Protector).

Level of protection; EN 1621-2: 2014 has 2 performance levels. Level 2 products offer a higher level of protection than Level 1 products:

Level 1	Level 2
Mean Transmitted Force Value: ≤ 18 kN Single Strike Transmitted Force Value: ≤ 24 kN	Mean Transmitted Force Value: ≤ 9 kN Single Strike Transmitted Force Value: ≤ 12 kN

If used correctly, the back protectors that are detailed within this user information booklet can prevent or reduce the severity of injuries associated with motorcyclists following a road accident.

### Warning!

These back protectors cannot guarantee protection against injuries caused by high-energy impacts, twisting, penetration, bending, or crushing, and cannot prevent fatalities.

Back protectors cannot provide protection against or prevent protection spinal injuries

The tests were carried out, as required by the standard EN 1621-2: 2014, at a temperature of (23±2)°C and at a relative humidity of (50±5)% after pre-conditioning in accordance with the mandatory Ambient & Wet conditioning requirements specified within the standard EN 1621-2: 2014. It is important to recognize the influence of changes in the environmental conditions such as temperature, and that extremes of temperature could significantly reduce the overall performance of these products.

These product do not contain any harmful substances such as allergens or carcinogens that may affect the wearers health.

The retailer and manufacturer will be absolved of all liability in respect of any personal injury or other claims arising from the use of the products other than are intended, including unauthorised user modifications, actions or exposures.

Do not make any alterations, expose to extreme temperatures, petrochemicals, solvents nor their fumes, or treat in any manner that is not the intended use of the protector as this may significantly reduce their level of protection.

The wearer must avoid choosing back protectors that are too big because interference with the helmet may occur resulting in dangerous riding conditions

### Instructions for Use

When choosing a back protector, choose a protector that is of the correct size and is comfortable when adopting your usual riding position. It should be noted that a single size of back protector cannot fit all body dimensions (height & shape).

The user should always check the right direction when inserting the protector into the pocket inside the clothing. This product should not be worn separately or be worn in direct contact with your skin or clothing.

This product should be positioned correctly inside a suitable pocket within the outer garment.

The back protector “Impact Core B”, should be positioned so that it is central on your back. The wider end of the protector is positioned at the shoulder blades and the narrow end of the protector runs to the waist.

Use with additional personal protective equipment: To achieve the maximum available levels of protection in the event of an accident, these back protectors should be used in conjunction with compatible, correctly fitting items of PPE which give coverage to areas of the body not protected by the back protectors alone. In addition to a safety helmet, a total PPE package of products type-approved and CE marked against the requirements of European Standards for motorcyclists’ protective clothing should be used, comprising, boots, gloves and jacket & trousers or one-piece/two-piece suit.

### Marking

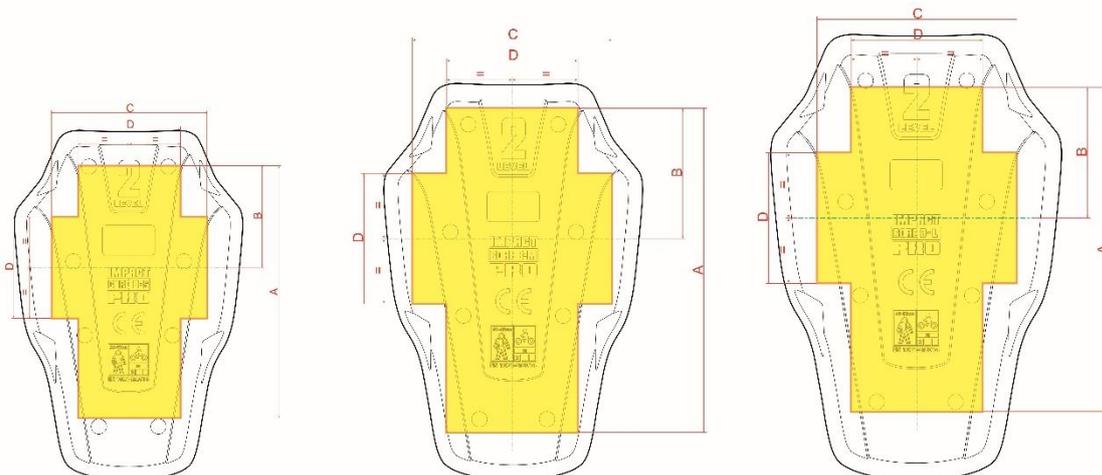
The CE Mark is to be interpreted as follows:



CE =	European Conformity mark
Impact Core B-X PRO =	Manufacturer Name / Trade mark
Protector Style =	Product code
Person Pictogram =	FB(Full Back)
EN 1621-2:2014 =	The sizing pictogram identifies the intended wearer torso length that the product is suitable for
Level 2 =	Standard Number
	Performance Level Achieved During Assessment

### Zone of Protection

The protection is offered within the central shaded area of the protector as shown on the diagrams provided below.



## **Maintenance**

It is very important to check your impact protectors regularly for any signs of damage which may reduce the level of protection being offered by the protector. If the protectors show any sign of wear, surface damage, or reduced thickness and density of the protector, replace the product immediately.

As the impact protector cannot be repaired following any impact, the back protectors should be replaced immediately, as any resulting damage may reduce the effectiveness of the protector.

Dependent upon the regularity and severity of use, your back protectors should have a minimum service life of **2** years, although this may vary and products should be visually inspected prior to each use for damage or other irregularities as outlined above.

Used products should be disposed of in accordance with the local / national environmental regulations at an appropriate land fill site. Further information regarding these regulations can be obtained from your local authorities.

## **Repairs / Modifications**

The manufacturer cannot guarantee the performance of the product or the level of protection that is offered by the protector if modifications or repairs are carried out on this product by the user.

## **Storage**

The protector should be stored in a dry, ventilated environment away from direct sunlight, heat sources, and sharp objects.

Do not place beneath heavy items that may damage the protector.

Do not expose the back protectors to chemical substances, hazardous substances, or fire, which may contaminate the product and have an adverse effect on the level of protection offered by these products.

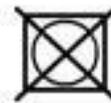
## **Cleaning**

To avoid any damage the protectors should be removed from clothing before washing or cleaning.

If soiled, wipe gently with a soft cloth damped in cool water.

Do not use detergents or solvent cleaners.

Allow to air dry away from sunlight or direct heat sources before refitting to your garment.



Note: This product does not contain any harmful substances such as allergens or carcinogens that may effect the wearers health

## **These motorcyclists' protectors are manufactured and distributed by:**

Shinil Sports Inc (Powertector)

Cheonggun-ro 2917, Gunnae-Myeon, Pocheon-si, Gyeonggi-do, Korea 11155

## SECTION 7 – QUALITY CONTROL PROCEDURES

### **Workshop-Centric Quality Control**

The quality of product is checked before, during and after the production to secure the utmost quality of product.

#### **1) Material Control**

The material is checked: 1) upon the receipt at the factory, 2) before, 3) during and 4) after the production and kept at appropriate temperature and humidity.

#### **2) Machine & Equipment Control**

Production machine is checked and cleaned on daily basis to maintain the optimal conditions for production.

Regular maintenance is being done quarterly by Quality manager and professional mechanic.

#### **3) Products Control**

Every product is checked by Quality manager: the density, the finish and the impact performance by an in-house CE impact testing Equipment.

Keeping samples are taken randomly from production and also from batches of every shipment.

Then the impact check tests are done on these keeping samples on a weekly basis in accordance with EN1621-2:2014

## SECTION 8– EU DECLARATION OF CONFORMITY

The EU Declaration of Conformity for this product can be found at:  
[http://www.powertector.com/bbs/content.php?co\\_id=brochure](http://www.powertector.com/bbs/content.php?co_id=brochure)

Manufacturer:

Name: Shinil Sports Inc (Powertector)

Address: Cheonggun-ro 2917, Gunnae-Myeon, Pocheon-si, Gyeonggi-do, Korea 11155

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Declares that the new PPE described hereafter

Motorcyclists' chest protector model: **IMPACT CORE PRO B**

is in conformity with the provisions of Module B of the Regulation (EU) 2016/425 Personal Protective Equipment and with the national standard transposing harmonized standard (s) CE EN1621-2:2014

is identical to the PPE which is the subject of EU certification of conformity to the Certificate number 2777 issued by:

SATRA Technology Europe Ltd,  
Bracetown Business Park Clonee, Dublin, D15 YN2P, Ireland (2777)  
, January – 12nd -2022

On behalf of Company



**Shinil Sports Inc.**  
**CHANG BAE PARK, PRESIDENT.**