

CE CERTIFICATION FOR BREMBO AIRBAG SYSTEM

As of today, the Brembo Life Jacket is safer than ever: Helite — the maker of the airbag system built into the jacket — now officially guarantees the conformity of its product to the requirements of European Directive 89/686/EEC on personal protective equipment (PPE).

„As development manager for the Brembo airbag project, I am delighted with the outcome of tests and trials conducted by the CRITT laboratory, which have culminated in this CE certification”, declared Gerard Thevenot of Helite, who went on to say, “the targets set by Brembo in terms of inflation time and energy absorption were notably stringent, especially for protection of the chest, which is especially at risk when accidents happen in built-up areas. Not only were these targets successfully met, they were comfortably surpassed.”

The airbag in the Brembo Life Jacket will carry a label with essential information about the product, as required by the European directive, including the identity of the Certifying Body, the name of the manufacturer, and certain points of advice on general use, which will be explained more fully in the instruction booklet.

More exactly, the booklet will contain a detailed description of each component part, instructions on how to rearm the airbag following inflation, how to anchor the buckle to the motorcycle or scooter, and how to adjust the length of the anchor strap, as well as a reminder not to wear any items of auxiliary equipment that could hinder the correct operation of the system, and a warning of the risks involved in tampering with or attempting to modify the airbag.

The certification was issued by CRITT Sport Loisirs, an independent organization accredited by the French Ministry of Labour, whose laboratories are authorized to type-test and issue safety certificates for sport and leisure products.

Brembo Life Jacket: a collection of fashion and lightweight jackets incorporating an invisible safety system, with the ultra-fast activation and inflation unmatched on the market (80 milliseconds).

Brembo Life Jacket is the name given to an innovative collection of jackets - styled, manufactured and marketed by the Cionti fashion house - incorporating a safety system in the form of an invisible airbag: if an accident should happen, the bag is deployed immediately by an inertia reel device, inflating automatically to protect the upper body. The collection includes jackets of contemporary design — ideal for wearing about town, where motorcyclists need to know they can count on safety apparel that is also elegant and stylish. In reality, it is on city streets that the majority of accidents involving motorcycles tend to occur: in Italy, more than 85% of accidents take place in built-up areas, and more than 75% at a speed of 50 km/h or less.

The Brembo Life Jacket responds to the need for protection of the torso — chest and back — and of the neck and head. These parts of the body suffer almost 50% of injuries sustained in motorcycle accidents and, above all, are most seriously affected in the event of collisions.

INNOVATIONS:

- **Activation speed** – airbag inflates fully in **80 milliseconds**. This is achieved through the adoption of the new Brembo trigger, located to the rear of the jacket on one side and operated by the Sabelt inertia reel mechanism, as well as new and more efficient fluid dynamics. The inflation rate of the airbag is **around 3 times faster** than other comparable products.
- **Invisible airbag** – Brembo R&D design engineers have minimized the dimensions of the airbag and trigger, to the point that the safety system built into these new jackets is hardly noticeable.

All the more reason why the **Brembo Life Jacket** is ideal for city wear, where riders want to feel easy about walking off the street straight into the office, the foyer of a theatre or a cinema, a museum, a restaurant...

- **Light and comfortable** – all models are exceptionally lightweight, even with the airbag system incorporated. The lightest jacket of the range weighs little more than 1 kg, and the heaviest, less than 1.5 kg.

SIMPLE AND EFFECTIVE IN OPERATION

The Brembo Airbag incorporated into the Life Jacket is totally innovative: the system activates immediately when the inertia reel, connecting the jacket to the bike or scooter, is jerked as the result of the rider being unseated suddenly in the course of an accident.

At this point the jacket inflates, filling completely in just 80 milliseconds to protect the entire torso — chest and back — as well as the neck and head.

Once activated, the airbag stays inflated for around 60 seconds, before the gas escapes gradually and the jacket returns to its normal fit.

Like all safety products, the airbag system can be checked and tested at an authorized service centre.

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