

## IT DELIVERS WHAT IT PROMISES!

### WUNDERLICH'S »EXTREME« VALVE COVER & CYLINDER PROTECTORS FOR ALL BMW 1250 SHIFTCAM BOXERS

The cylinders on a Boxer BMW are exposed. Stone strikes, falls on terrain or when scraping a plastered wall as you manoeuvre in tight spaces make it easy to scratch the valve cover. Things can get a lot worse with mishaps on the road or over terrain.

Various protection bar systems provide protection against the consequences. Or you could choose the new »EXTREME« valve cover & cylinder protectors, which have been developed by BMW specialist Wunderlich for the R 1250 ShiftCam Boxers. These were crafted using InnoBond, an innovative hybrid material from Wunderlich.

Wunderlich CEO Frank Hoffmann: „We wanted to create a cylinder protection system that was intended to be light and simultaneously offer extremely high potential for protection. At Wunderlich, we focus first and foremost on uncomplicated assembly of the components for our customers. But sticking the protectors onto the valve covers was out of the question for us since the components can't be removed from the engine without leaving residue behind. That's why our protectors simply screw on. The whole process takes just a few minutes. And they're just as easy to remove again. Another plus is that they can simply stay on the bike during an inspection - there's no need to remove them, so you save time and money. When choosing the material, we opted for a new, innovative Wunderlich hybrid material called InnoBond. This is a fibre-reinforced, impact-resistant and tough plastic that is also characterised by its impressive abrasion resistance. On the inside which faces the valve cover, we have constructively integrated segments with an elastic material that is resistant to high temperatures. These elastomer segments are designed to be impact-absorbing in terms of their Shore hardness. They absorb the load spikes in addition to the screw connections for the protectors and ensure that these are evenly distributed. At the same time, they provide an excellently precise, tight clearance between the valve cover and protector. The whole thing is refined by a stainless steel insert. After completing the component testing in our development department, we were so firmly convinced of our concept that we wanted to prove the system's effectiveness by testing it under real conditions. You can see the impressive and captivating result of our test ride at high country road speeds at the premises of the Fahrsicherheitszentrum at the Nürburgring in this video on YouTube (<https://youtu.be/GFY-5zwJ1lbY>).“



It delivers what it promises! Wunderlich's »EXTREME« valve cover & cylinder protectors reality-check (Item-No.: 35613-002)



Protects the valve cover reliable (Item-No.: 35613-002)



Precision manufactured, contour fit with small gap dimensions (Item-No.: 35613-002)

The specialists for high-quality BMW motorcycle accessories have thus developed an independent protective component that sets new benchmarks in terms of the material selected and its high protective potential. On the 1250s ShiftCam engines there's also the fact that the construction of the ShiftCam mechanism is extremely elaborate. Since the valve covers are mounted solely using force locking, there is a risk that the valve cover can be displaced relative to the cylinder head after a violent impact and the elaborate valve drive can be pulled along with it in certain instances. This is why the additional protection of the valve cover is of particular importance.



Frank Hoffmann, CEO of the Wunderlich GmbH

Hoffmann: „The fundamental purpose of our protective components, such as our engine and tank bar, our valve cover and cylinder protectors or our axle protection pad, is to protect the motorcycle as effectively as possible. That means they should ensure you can carry on with your ride. Added to this, the components should avoid any damage and the associated costs, or at least minimise them. The forces and momentum - which are occasionally significant - generated during an accident primarily impact the protective components mounted on the vehicle's weak points, elastically or plastically deforming these or wearing down the material; this is easy to see on the series protector, which we used on the test ride during the testing phase. Our protector protected the valve cover and cylinder head very efficiently, and visibly fulfilled the two basic requirements: the valve cover and engine remained undamaged and the rider was able to carry on with their ride after the crash. After swapping out the left protector, the R 1250 used here looks as good as new again. We work sustainably and with a focus on the customer, so in this instance our customer can order the left protector as a separate spare part since the one on the right is fully intact and undamaged. This saves our customers money and allows us to spare resources.“

Wunderlich offers the protective system of valve & cylinder protectors for all BMW R 1250 ShiftCam Boxer model series for €199.90\*) incl. VAT with a 5 year warranty included.

You can find information about the valve cover protectors and lots of other new Wunderlich components in the EICMA Media Kit at: [www.mediakit.wunderlich.de](http://www.mediakit.wunderlich.de)

## INNOBOND

### WUNDERLICH INNOVATIVE HYBRID BONDING

#### NEW, INNOVATIVE HYBRID MATERIALS FROM WUNDERLICH

The developers at Wunderlich have been working alongside manufacturing technicians for some time now on combining innovative materials. The aim of this development work is to constructively combine and engineer the positively desired properties of different materials in an individual component. These measures serve to optimise the positive properties in order to better fulfil the respective component requirements than can be achieved by using a single material alone.

**InnoBond** comes from Wunderlich **Innovative Hybrid Bonding**, whereby ‚hybrid‘ stands for a construct made of two or more components and ‚bonding‘ stands for their connection. InnoBond thus isn't restricted to specific materials or joining methods. Rather, it might be a composite of two or more materials, the combination of metallic and fibrous materials, or any other conceivable materials whose structural integration and combination significantly improves the component properties in order to optimally fulfil the requirements of the specifications.

#### Item-No.:

35613-002 - Wunderlich Valve cover & cylinder protectors  
»EXTREME« - black

#### Web links:

[www.wunderlich.de/en](http://www.wunderlich.de/en)

[www.mediakit.wunderlich.de](http://www.mediakit.wunderlich.de)

[Wunderlich Valve cover & cylinder protectors »EXTREME« Reality-Check on YouTube](#)

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