



VIEBAHN GROUP



WE MAKE STRONG CONNECTIONS.

As one of the market-leading companies in Europe, VIEBAHN GmbH produces composite systems and system components using various plastic and metal processing technologies.





V - BONDS

SERVICES &
DEVELOPMENT

STEEL & SHEET
METAL WORKING

OUR PRODUCTS

A non-separable connection between different materials – that is the idea of V-Bond. We shape these material composites of steel sheet and plastic into the most diverse forms and customised profiles.

We design and produce the complete transport and storage system for the protection of your products using highly specialised technologies from the prototype to the finished loading equipment. Our products are 100% manufactured at our factory in Wiehl-Marienhagen.

Customised, a perfect fit and durable.

USES & APPLICATIONS

Our aim is to protect your products during storage handling and transport. Our V-Bond materials excel through their high quality and extreme functionality. Their use ensures transport and storage protection that is durable and sustainable but also saves costs.

Right from the start.



TRANSPORT
PROTECTION

TRANSPORT PROTEC-
TION SOLUTIONS



CAR
MANUFACTURERS

AIRCRAFT
MANUFACTURERS

WIND POWER &
SOLAR INDUSTRY

AGRICULTURAL &
CONSTRUCTION
MACHINERY

SHIPBUILDING

MECHANICAL &
PLANT ENGINEERING

HAULIERS FOR
ABNORMAL LOADS

CUSTOMERS & INDUSTRIES

Damage-free transport and space-saving storage – these are the challenges facing everyone involved in the logistics of moving delicate and valuable goods in almost every industry.

Drawing on our knowledge of the special quality requirements involved, we provide expert advice on projects all over Europe. We work across company and industry boundaries to ensure valuable know-how flows in a continuous matrix from one project to the next and from one industry to another.

In this way, everyone wins.

WHO WE ARE

Over many generations, we have developed our products and services to market-leader level. Plastic, steel sheet and steel processing technologies have been the basis of our company for 30 years. The world of transport undergoes dynamic change. We keep pace with these changes, developing innovations at product level in combination with top-class services to capture the markets in Europe.

Satisfied customers, time and time again.



THE COMPANY

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VIEBAHN

VIEBAHN



PRODUCT OVERVIEW



MATERIAL
OVERVIEW

MATERIAL
CHARACTERISTICS

PROCESSING
OF V-BOND

Our V-Bond material is unique: it brings together the specific material characteristics of at least two components, while creating a non-separable connection between them.

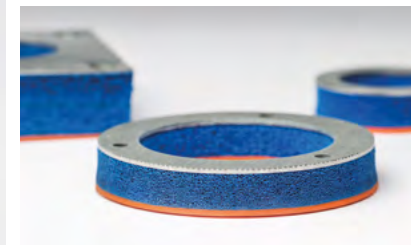
The advantages gained make the material composite much more than the sum of its (component) parts.

With the idea of the V-Bond, the non-separable connection between steel sheet and plastic, VIEBAHN made the first damage-free transport of vehicle and chassis parts a reality more than 30 years ago. We have focused on continually developing this idea and setting the highest benchmarks for transport racks with our innovative components, precisely formed parts and reliable fastening mechanisms.

V-BONDS



According to the individual customer's specification, the material is cut, punched, bent into shape, and delivered ready to install.



CHARACTERISTICS

- > Non-separable steel-plastic connection with a one-sided coating which differs in solids and foams
- > Solid coating: firm property
- > Foam coating: shock-absorbing property
- > Sandwich coating: combination of firm solid and shock-absorbing foam

PROCESSING

V-Bond can be made into any possible shape in sheet metal construction. V-Bond sheets have a maximum size of 1,000 x 2,800 mm, but are usually delivered pre-cut. Individually cut to length and hole-punched, they can be optimally manufactured to perfectly fit the contours of the transported goods.

FIXING

To eliminate damage to the transported goods by the fastenings, the punched holes are always countersunk. This keeps the rivet or screw head below the surface of the plastic.

COLOURS



The colours symbolise the hardness of the coating.

THE MATERIAL



SHAPING

The shaping of the V-Bond is made simple, precise and durable by the steel backing. The accurate fit provides the greatest possible protection to your goods.

PROPERTIES

- > Temperature-resistant (-25° C to +95° C)
- > Weather-resistance
- > UV, ozone and oil resistant
- > No/little water intake
- > No rubbing effect
- > Durable chemical consistency
- > Recyclable
- > Silicone free
- > Self-extinguishing
- > High resetting properties
- > Impact, buckle and tear-proof

SERVICES & DEVELOPMENT

ANALYSIS

PROTOTYPE
DEVELOPMENT

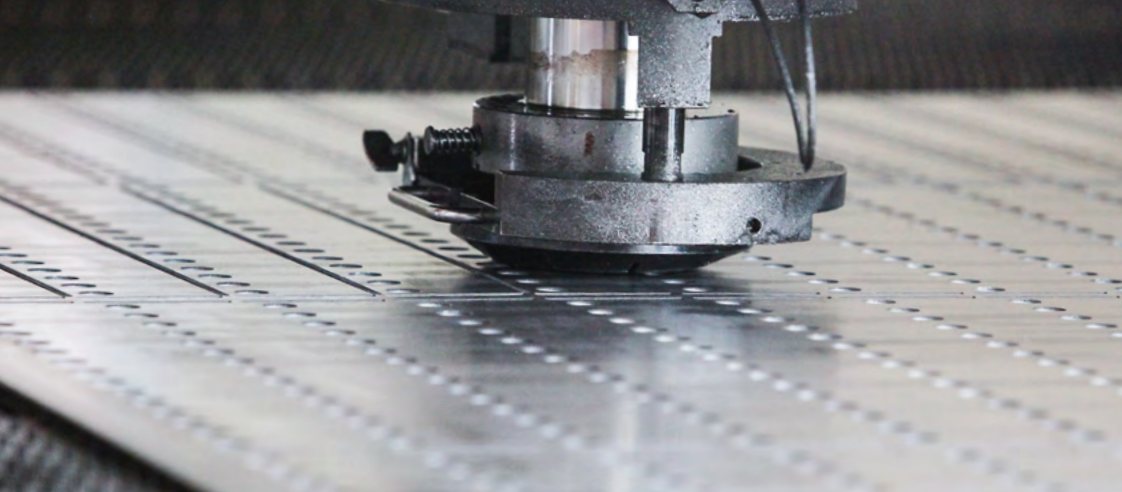
TRANSPORTATION
CONCEPT

We support you from the analysis of the problem and advise on-site to the development and manufacture of prototypes.

Using CAD data or even samples we develop transport containers and will create a sample container on request. Consequently you will receive a transport concept created from CAD development, prototype, and all that from one source, even for the corresponding mass-produced plastic fixtures.



STEEL & SHEET METAL WORKING



MATERIALS &
MEASUREMENTS

We can manufacture a full range of products out of steel sheets, V-Bond and other steel components in our facility.



TRANSPORT PROTECTION

TRANSPORT PROJECT
A380

SAFEGUARDING
OFFSHORE BLADES



Every industry has its particular demands. Every project needs a one-off solution. We develop transport concepts to meet quite specific requirements. A challenge, every time.

With quality, care and efficiency, we help our customers from a wide range of industries across international borders move forward into a safe future.



SOLUTIONS & APPLICATIONS



For decades, it has been standard practice to use our V-Bonds as hold-down devices or retainers in shipment containers and load carriers.

The combination of V-Bonds with excellent damping characteristics and plastic fixtures in our shipment containers ensure that delicate components are secured and separated to optimum effect.

For paint and body shops, our paint and assembly racks on the one hand offer optimal protection to the components and on the other hand all kinds of disassembled vehicle parts can be collected and stored in a space-saving way.

The use of VIEBAHN V-Bonds also contributes to the optimisation of circumstances in the fields of industrial safety and sound insulation.

HOLD-DOWN
DEVICES

LOAD CARRIER

V-BOND RACKS

ASSEMBLY RACKS

PRODUCTION
SAFETY