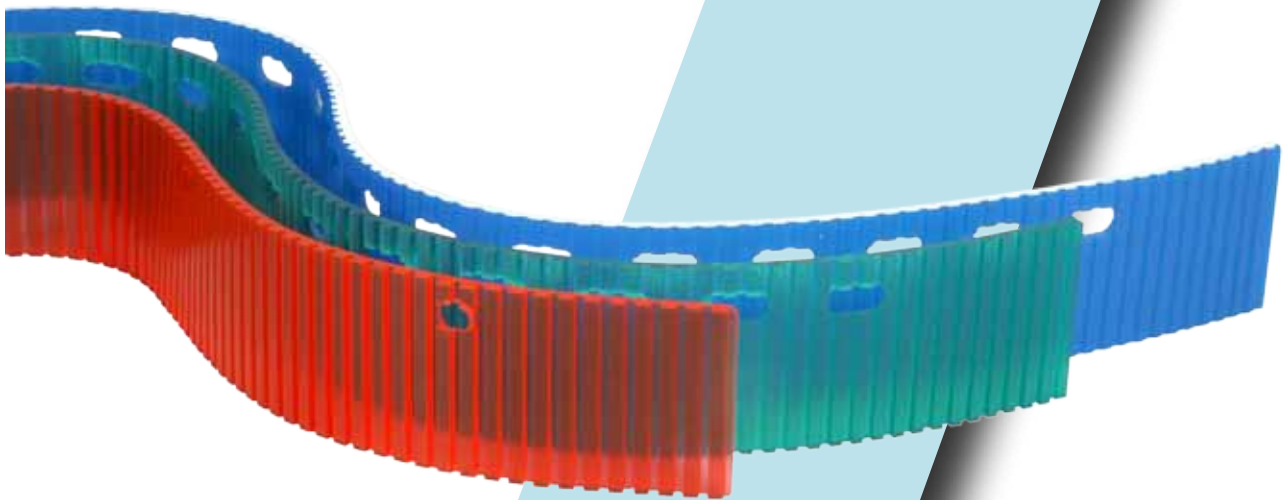
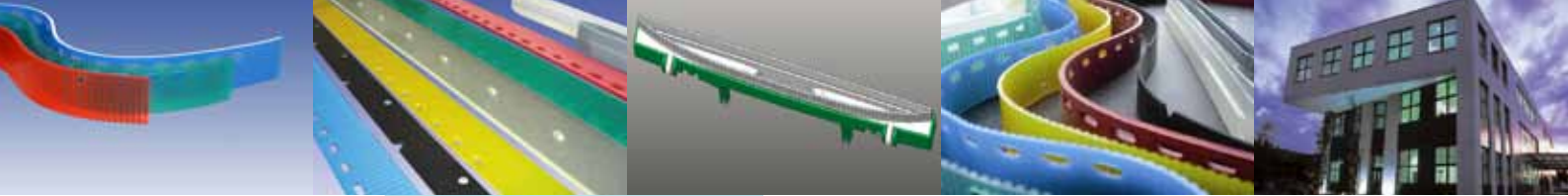




Vibra® Squeegee Blades



world in vibration®



Vibra® Squeegee Blades

Vibrplast AG- ensures brilliant cleaning results

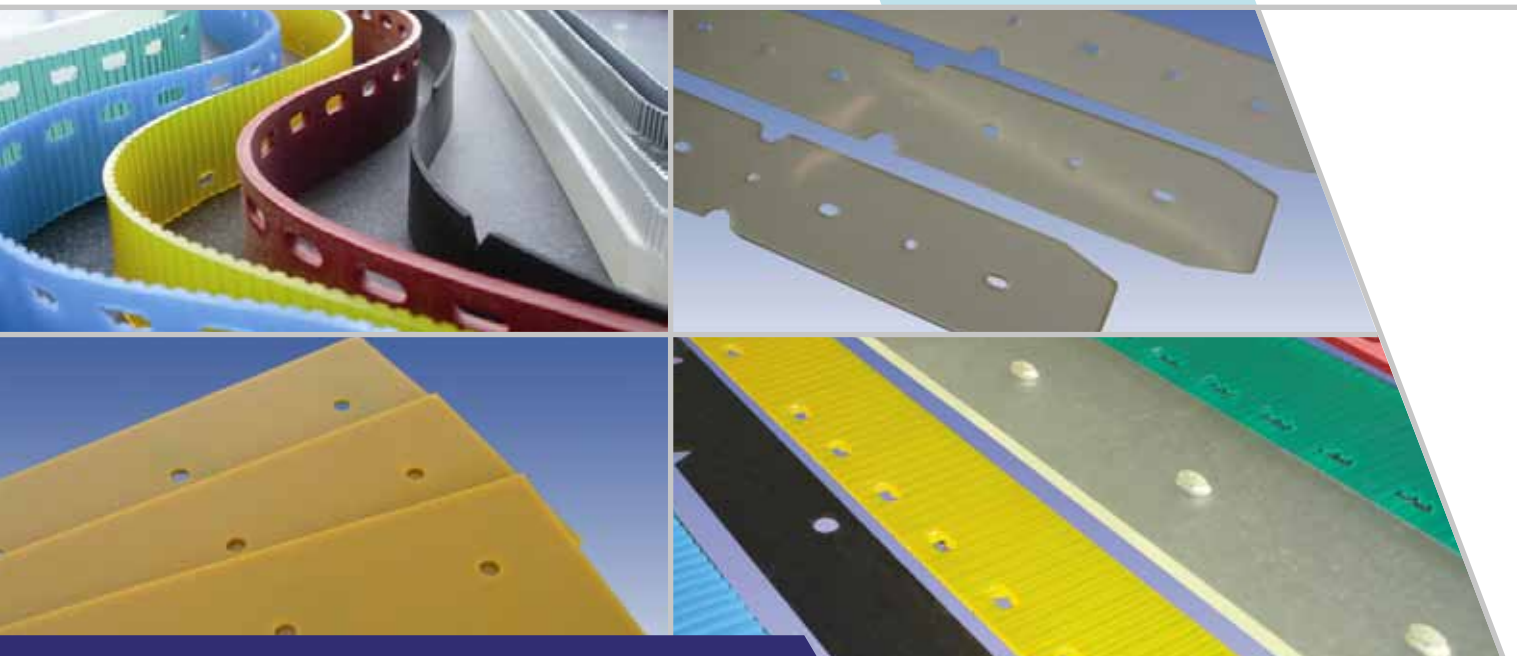
With over 40 years' experience in manufacturing high quality squeegee blades and the continuous development of the many qualities connected to optimum geometry, Vibrplast AG has established itself over the years as a European industry leader in squeegee blades.

Individually coordinated squeegee blades can be designed, depending on the requirements of the cleaning industry and cleaning machinery manufacturers, as well as the surface texture, degree of soiling and the medium to be cleaned. They may be smooth or ribbed blades with a wide range of hardnesses and qualities. We can produce them as mouldings or stampings in PUR (polyurethane) or as elastomers (e.g. natural rubber). Good sliding properties, high abrasion resistance, as well as oil and microbe resistance are just some of the many quality characteristics of our blades.

A rigid quality control system is essential that also includes a final individual inspection of the cleaning blade's stripping edge. The blades can be easily labelled to make the procurement of spare parts easier by laser marking.

Whether in production or in engineering, Vibrplast AG is a longstanding partner of the cleaning industry. We are happy to advise you in your choice of the correct design and quality.

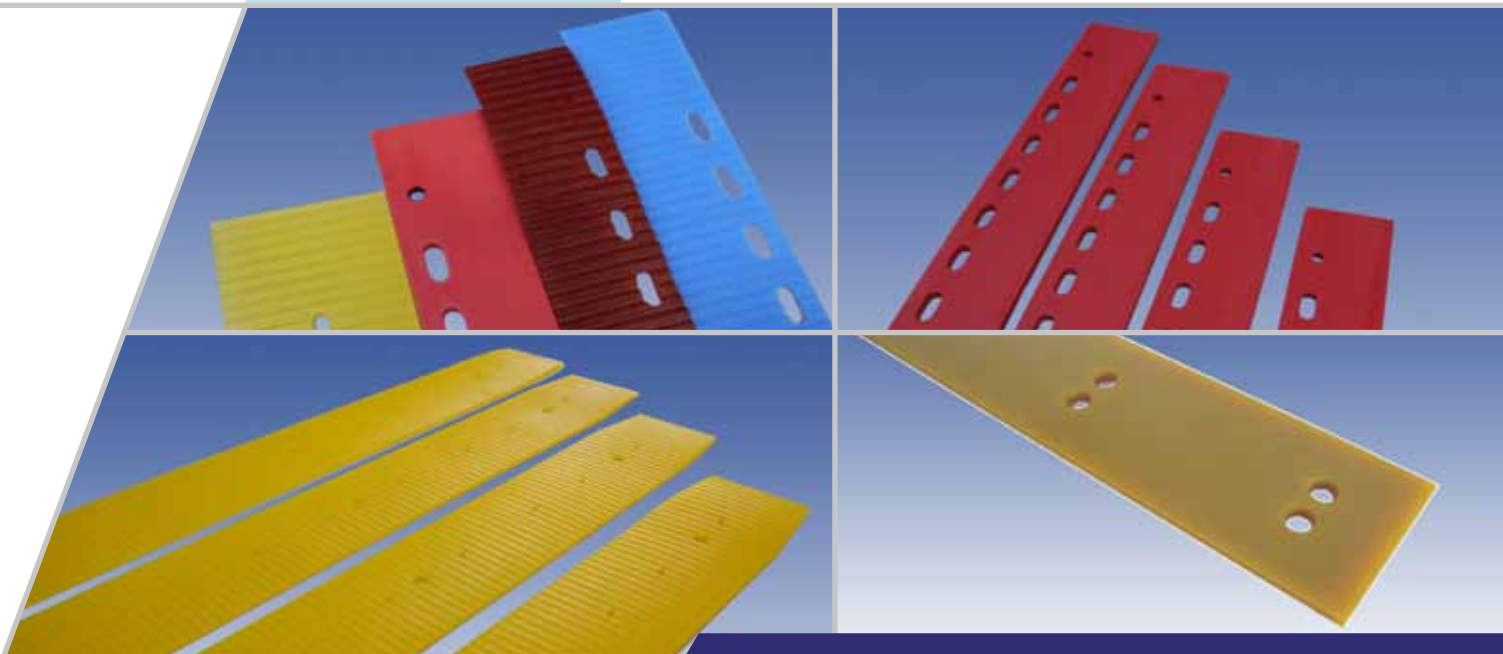
BOOST YOUR CLEANING RESULTS!

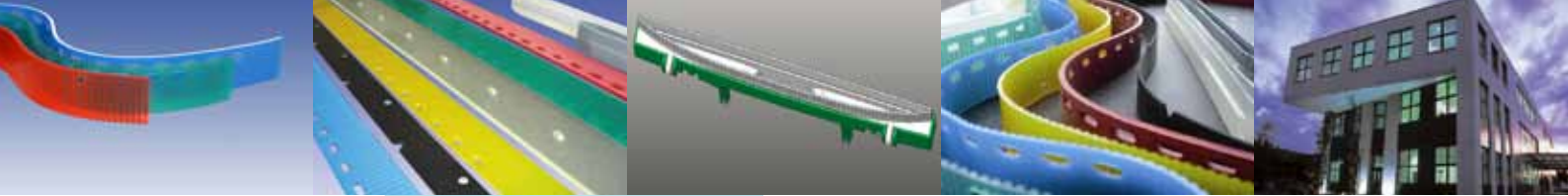




The squeegee blade

Cleaning results depend on a variety of factors when working with scrubbing machines. Have the correct type of brushes or pads been selected for the kind of contamination and the floor covering concerned? Is the right detergent being used and has it been correctly metered? The pace of work and the amount of dirt water also have an influence on the cleaning results. However, the cleaning professional knows that the most important factor in a perfect result is a suction nozzle that functions optimally, with first-class suction blades. In many cases, what seems at first to the uninitiated to be an ordinary piece of rubber or plastic is in fact “high tech” from Vibraplast. The successful cleaning of the floor covering ends with the collection of all the dissolved impurities. This is achieved through the optimal interaction of the vacuum generator with the appropriately designed squeegee blade.

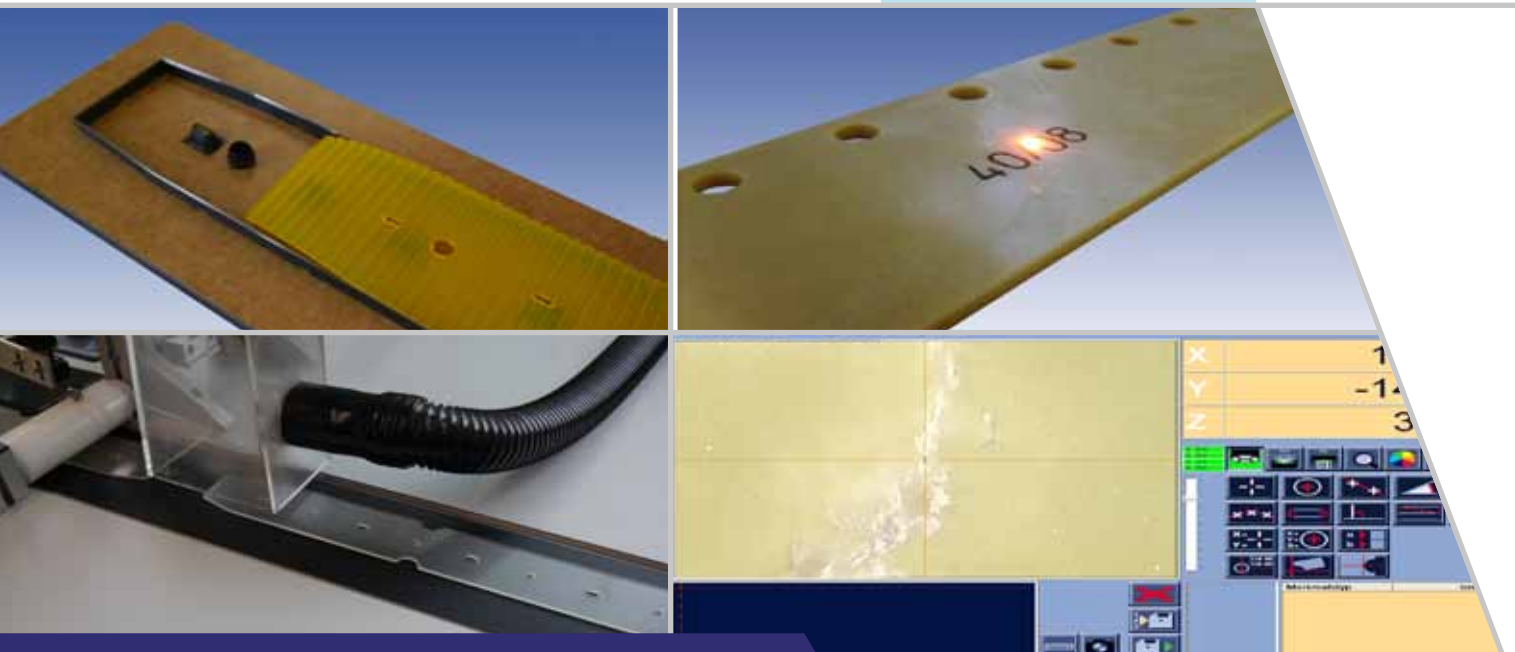




Production and quality

A basic distinction must be made between two manufacturing processes. Stamped parts are made from vulcanized rubber sheets or from spun polyurethane plates, while suitable moulded parts can be produced by injection moulding. Hardness (Shore A) plays an important role in the design of the ideal blade, but individual parameters must not be viewed in isolation. A variety of mutually supportive properties are needed in order to produce a high-quality blade.

- Coefficient of sliding friction
- Rebound resilience
- Microbial resistance
- Ozone resistance
- Abrasion properties
- Angle of inclination
- Resistance to oils and alkalis
- Lubricating properties
- Thickness tolerance
- Hardness (Shore A)



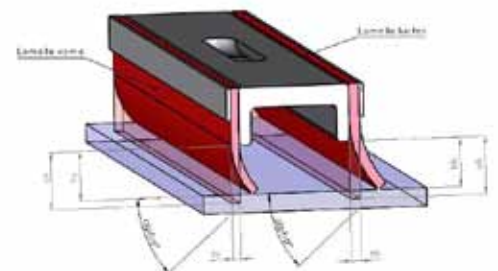
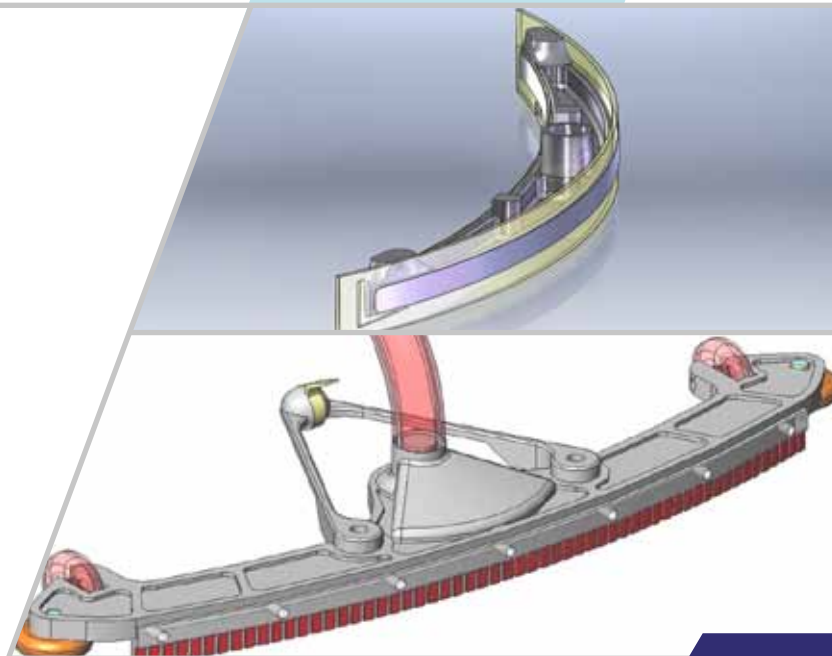


Engineering and testing

Wiping geometry

Major prerequisites for the proper functioning of a squeegee blade are the correct contact pressure and working angle. These are provided by the design of the cleaning machine. Optimum deformation results in a negative pressure (vacuum). The airflow draws the loosened dirt into the wastewater tank. Rebound elasticity appropriate to the floor will level out the unevenness of different ground conditions. Another factor influencing optimal cleaning is the correct selection of the appropriate blade combinations. The front and rear blades have to be coordinated with each other. The purpose of the front blade is to collect the wastewater and guide it to the suction nozzle. The rear blade must be leak-proof to ensure that the floor covering is left dry following cleaning. We simulate the use of different cleaning blades on different floor coverings on our specially developed blade test bench. We can also perform calculations using the finite element method (FEM).

Vibrplast AG is certified according to ISO 9001: 2008 and thanks to modern measuring devices is capable of complying with the tightest tolerance ranges in order to ensure together with the machine manufacturer consistent quality and meet customer requirements.





Your Industry Component Network

Vibraplast AG was established in Aadorf in the East of Switzerland more than 50 years ago. This specialist in noise control, vibration insulation, foam technology, as well as the Elastomer- and plastic technologies, now has a workforce numbering around 60.

As a manufacturing and trade company with a worldwide network of qualified suppliers, Vibraplast AG offers optimal access to global supply sources. Thanks to a production and storage area of 15'000 m², a wide range of stocked items and high availability, Vibraplast AG can realise the needs of its customers speedily and efficiently. A wide range of assembly steps, such as punching, contour cutting, welding, bonding, mounting, etc. can be carried out in our production plant.

Our specialists, with long-term branch experience, offer expert services such as consulting, engineering and construction. As a system supplier, it is our pleasure to assist you in the selection of different outsourcing depths which cover the procurement of single components from large variety of suppliers, assembly component procurement from specific suppliers, right up to the complete endproduct with Vibraplast AG itself, as a component supplier.





Our Core Competences

Vibration Insulation

The vibration insulation product line includes a wide-ranging standard assortment to insulate against shock and structureborne sound, insulation against machine vibration, for the reduction of acceleration forces and for noise protection.

Foam and Packaging Technology

Vibraplast AG's packaging technology covers development (construction with CAD) right up to serial production. On request, we can also package your product ready for delivery.

Noise Protection

According to requirements, various materials from our Silphon® Noise Protection range are used for the absorption or insulation of airborne sound and for the damping of structure-borne sound.

Rubber Technology

Rubber has become an indispensable material in our modern world. There is hardly an area of technology in which the flexibility of rubber does not play a role. Our range covers diverse standard products made from rubber such as plates, profiles, floor mats, seals, etc. in all qualities and dimensions. Individual rubber moulds can be processed together with our specialists in a wide range of qualities and shapes.

Plastic Technology

Plastics play an extremely important role in industrial assembly due to their versatile characteristics. We stock a wide-ranging product-line consisting of the most conventional plastic qualities in the form of plates, rods, sheets and tubes.





ONLINE-CATALOG
www.vibrplast.ch



*noise protection / vibration insulation
rubber technology / plastic technology
power transmission / foams / packaging technology
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