

Environmental Statement **2009**



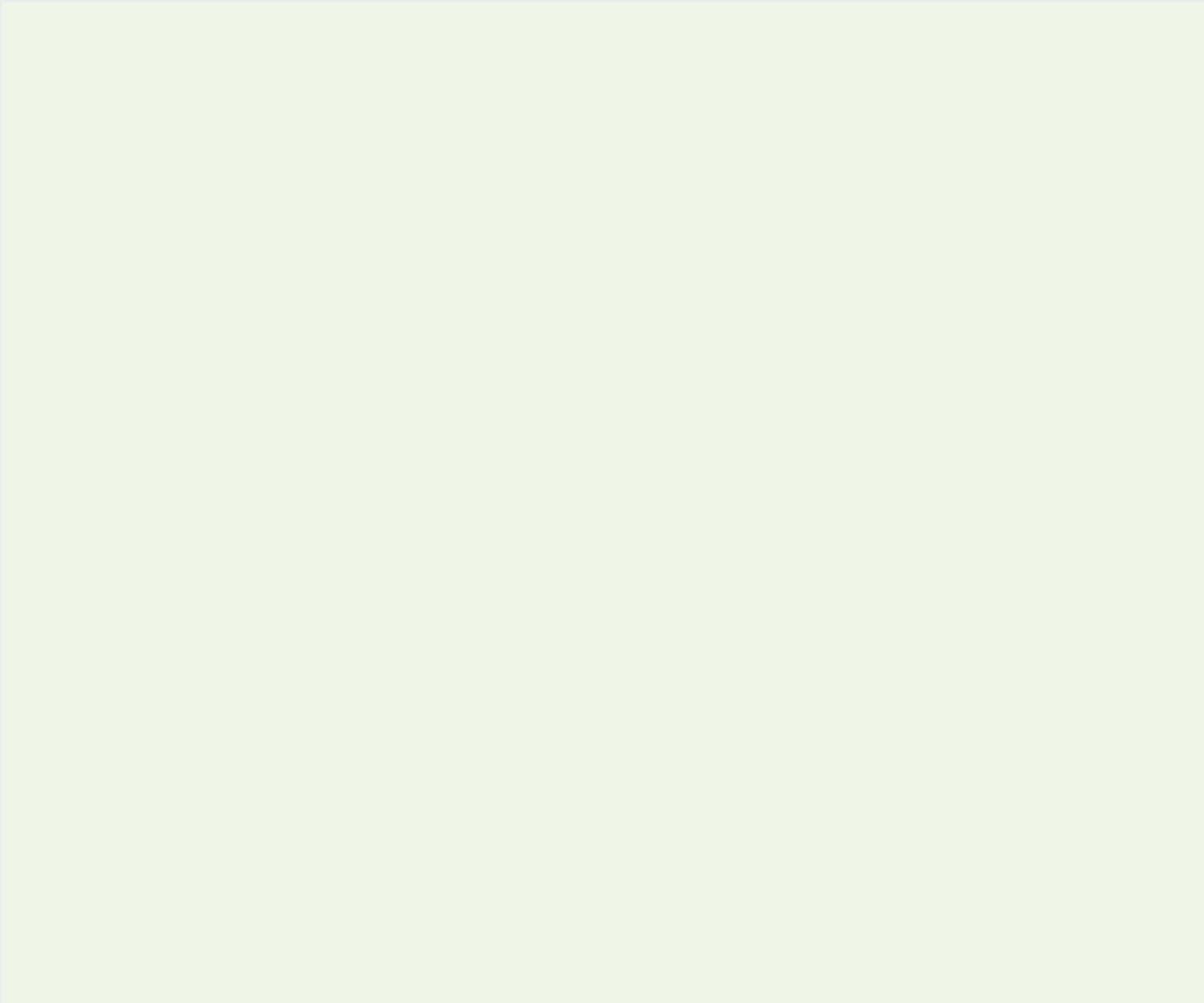



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Preface





The broad term 'environmental protection' denotes all measures which are intended to protect human habitats from detrimental impacts and to repair or alleviate damage which may have already occurred.

Nowadays, companies realize that they bear significant social responsibility and are increasingly confronted with environmental protection issues. Public awareness of such issues has also increased, leading to rising expectations in this field and thus to constant adjustments by companies. On the one hand, this is reflected in the legislation, and on the other, in terms of specifically what is expected by employees and customers.

The solutions, products and services provided by Getzner are intended to reduce disturbing vibrations and the secondary noise often caused by such vibrations. Accordingly, the work of the company itself already makes an important contribution to protecting the human habit. Every year, Getzner invests a great deal of money and resources in developing products and solutions for reducing disturbances caused by vibrations and noise. These modern products help to eliminate environmental impacts more efficiently

and cost-effectively, often stopping them right at the source.

But above and beyond its products, Getzner promotes environmental protection in other ways as well. The entire company itself is subject to constant, critical monitoring in this field. Experts and employees alike are involved in reviewing environmentally-related aspects and seeking new opportunities to minimize the use of resources and to seize and implement these opportunities.

Getzner makes an active contribution to maintaining a healthy environment, in particular in the region where it is headquartered, and is committed to actively communicating its corporate philosophy to the general public.



Dipl.-Ing. Dr. mont. Roland Pfefferkorn
Management

The Company

Getzner Werkstoffe is specialized in the field of vibration isolation in railway, construction and industrial applications.

The company's strength is based on two main pillars: values and vision. Its traditional values include quality and a spirit of partnership. The driving force behind the company's vision is innovation, which is constantly promoted and put into practice. In doing so, Getzner is always able to set new standards. These high standards help to improve the safety, lifecycle and comfort of rail transportation routes, the quality of life in new and old buildings and the quality of industrial products.

Good Vibrations

Good vibrations are important to Getzner in two different ways: on the one hand, thanks to advanced technology, Getzner is the market leader in the field of vibration isolation, and on the other, Getzner works hard to make sure that good vibrations are also at the heart of relationships: with customers, partners and staff as well as with the broader public. Environmental and vibration protection offer great potential. Every day Getzner is working to implement new solutions that enhance and protect everyone's quality of life. This philosophy is also reflected in the careful use of resources, in a sustainable approach to business and in the company's certified environmental management system.





40 Years of Getzner - 40 Years of Environmental Protection

Getzner Werkstoffe celebrated its 40th birthday in 2009. With visionary business policy and steady investment in the field of environmental protection, the company has been able to achieve continuous growth. As a result, Getzner is able to offer top-notch, secure jobs to many young people from the region as well as specialists in the fields of physics, acoustics, construction engineering, mechanical engineering, plastics technology and chemistry. Thanks to its international approach, the company is known world-wide. As the market leader in Europe in the field of vibration protection, Getzner develops ground-breaking technologies which meet the most stringent requirements.



Business Areas

Railway Applications

Nowadays, railways - high-speed trains, freight trains and local light rail systems - are located closer and closer to residential areas. As a result, there are more and more problems with disturbing vibrations. These vibrations often lead to annoying secondary airborne noise or shaking. The polyurethane materials Sylomer® and Sylo-dyn® produced by Getzner help to alleviate such problems. Using ballast mats, sleeper pads, highly elastic rail and baseplate pads or mass-spring systems, Getzner solutions go beyond comfort: these systems reduce wear and tear on track superstructures, extend the lifecycle of all track components and improve track geometry.

Construction Applications

Noise pollution and vibrations are stress factors. Examples of sources of these kinds of problems include footstep noise, a dance club in a mixed-use building, nearby industrial operations or railway facilities. Vibration isolation is sometimes necessary to even be able to use some buildings. The use of Getzner solutions and materials can specifically help to improve the quality, utility and value of buildings. Nowadays, it is common practice to install elastic mountings for machinery or equipment that generates vibrations or to insulate the underlying foundations. The principle of elastic isolation is now a standard technological approach to these problems.



Vienna's gasometers

Industrial Applications

Sylomer® is employed in a wide range of industrial applications, ranging from elastic mountings for floor systems in buildings and rail vehicles, optical polishing pads for the production of spectacle lenses and surface coatings for drive belts for the transport of sensitive goods to components in OR microscopes, just to name a few. Properties such as a high degree of cushioning and dampening, excellent recovery, durability and formability make Sylomer® and Sylodyn® attractive materials to work with. Unique products can be created, thanks to the competence of Getzner's development engineers, working in close cooperation with the customer.

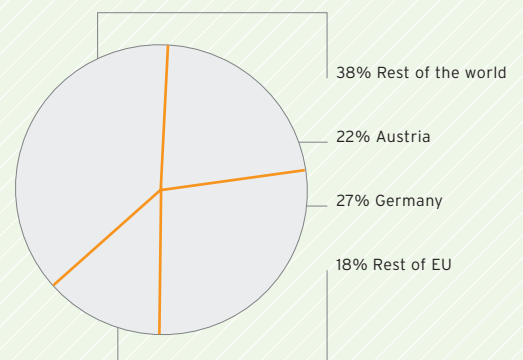


Dornier weaving hall

Getzner Werkstoffe GmbH

Data and Facts

- Founded: 1969
- Managing Director:
Roland Pfefferkorn
- Employees: 195, with 25 in R&D and application technology
60 staff abroad (January 2009)
- Sales (2008): EUR 43.4 million
- Sales by region (2008)
Austria 22%,
Germany 27%,
Other EU 18%,
Rest of world 38%.
- Business areas:
Rail, construction, industry
- Production volume (2008): 4,195 tons of technical PU materials
- Recycling (2008): 36 tons of residual PU materials
- Locations:
Bürs (A)
Munich (D)
Berlin (D)
Amman (JOR)
Tokyo (J)
Kunshan (RC)
- Share of exports: approx. 80%





Relevant Production Processes

Principles of PU Chemistry

Polyurethane is a special plastic material that stands out for its almost limitless range of applications. Experts already recognized this when the material was discovered back in 1937: the very first patents using the material for applications such as insulation and shoe soles reflect the multifaceted uses of polyurethane.

In its simplest form, polyurethane consists of two main components: isocyanate and polyol. Isocyanates are generally reactive fluids that are found in a similar form in window and door foams. The wide variety of polyols as the second component allows for an almost unlimited combinations of these two base materials, paving the way for the production of a very wide range of various materials. Accordingly, polyurethanes are suited for an extremely diverse set of applications, such as furniture cushions, aircraft components, paints and adhesives.

Getzner Werkstoffe mainly uses polyols from the class of polyethers. The material used is a special variant which is marked by non-toxicity and a very long lifecycle. As they are not physiologically harmful, similar polyethers are used

in the production of cosmetics and healthcare products. In contrast, by combining special polyethers, Getzner manufactures specific materials with unique elastic properties which last for decades.

Getzner's foamed polyurethanes are manufactured in an environmentally-sound production process. The foaming process is based on a chemical process which is caused by water. As a result, Getzner does not need to use the kinds of harmful aerosol foaming agents which are often used in industry.

At the pouring machine, a stirring unit mixes the two components, polyol and isocyanate, to the proper ratio. This mixture is placed on a conveyor belt and begins to react after about 30 seconds and foam up. The foam material is passed through a heating channel and then separated from the belt at the end of the channel. The finished material is rolled into rolls and then placed in a reaction chamber for final reaction (curing) over a period of at least 14 days.

PU Roll Production

The components are transported from storage tanks filled with various raw materials (total capacity: 320 t) to the pouring machine.

At that point, there are two options:

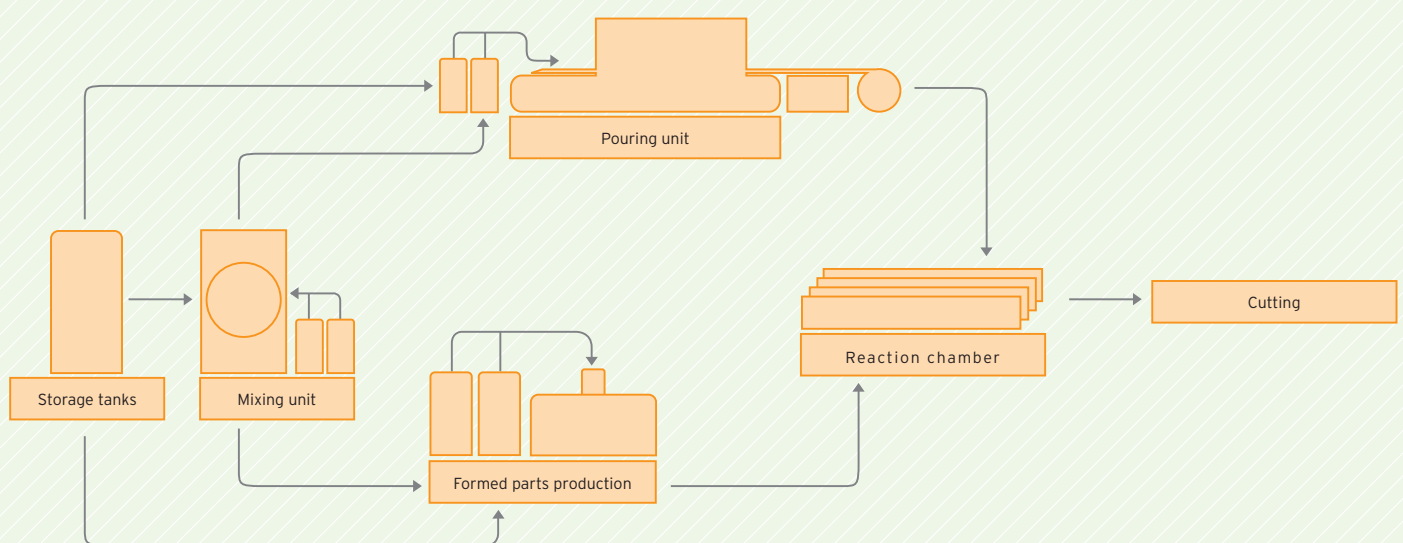
- All of the necessary components are pre-mixed in a mixing station and transported to the pouring machine.
- The components are transported directly to the pouring machine and all other required additives are mixed in at the mix head.

Production of Moulded Parts

As with the production of rolls, the components come from the storage tanks. The required polyol component is always pre-mixed in the mixing station according to the specifications. The isocyanate is transported directly from the storage tank to the production unit.

In the pouring unit, the polyol and isocyanate components are reacted, with a high-pressure mix head (up to 200 bar) ensuring the proper mix ratios. The mixture is then poured into the forms, which are then sealed. After approximately six to ten minutes, the finished parts can be removed from the forms. As is the case with the production of rolls, the parts are then stored for final reaction for 14 days. After this curing period, the materials are subjected to testing. Following this, they are dispatched or sent on for further processing.

Outline of the Production Process





Production Process for Material Cutting

A pre-defined production process regulates all of the necessary steps for cutting the basic mats to size for a specific order. Quality is the top priority. In its cutting operations, Getzner strives to use all the involved resources as economically as possible in order to minimize the environmental impact.

Detailed Description of the Production Process

The basic mats come from the pouring process and are then placed in the reaction chamber for curing. For Sylomer® this process takes at least two weeks, and for Sylodyn® at least three weeks.

The materials are then taken out for the production order. Clearance for production must be checked in the SAP system, with quality control responsible for granting this clearance.

The mats, in rolls, are transported by forklift from the mat storage area to the cutting equipment.



Water jet cutting unit



Rolls in storage



This includes:

- Cutting: with the cutting and rolling unit (SCHWICK)
- Splitting: with rolling splitters or vacuum splitter equipment
- Cutting: with circular saw (cutting machine)
- Sawing: with a band saw
- Water jet cutter: one or three nozzle units
- Stamping: with bridge-type and turret punch press
- Bonding: at the manual gluing station or in the bonding unit
- Printing: with screen printing or laser
- Packing: with pallet wrappers

During the cutting process all of the measurements and numbers are checked for each work step in order to ensure the best possible quality for the customer. The finished products cut to the customer's specifications are then transported to the finished goods warehouse. The dispatch department is responsible for all further steps from there on.

Responsibility in Practice





Sylomer® SR

Getzner's product development work makes a key contribution to minimizing the use of resources. There is additional potential in the following areas:

- Economical use of raw materials
- Production processes which minimize environmental impact
- Sustainable logistics strategies
- Reduction of scrap and waste via efficient product design
- Recyclable materials and recycling efforts
- Optimized packaging

In addition to the customer's requirements, all of these aspects are also integrated into Getzner's development work. And it is this approach which led for example to the development of Sylomer®, a new, standardized product series by Getzner. Getzner Werkstoffe proudly presents the new, expanded series of Sylomer® products, which is based on the existing product range with 40 years of reliable service.

Thanks to this new standard series, Getzner is able to offer even better efficiency in vibration isolation. This allows for polyurethane materials to be used in an even broader scope of applications. Two new product types have been added to the range. In launching the new product series, Getzner is also shifting to a uniform scheme in terms of product names. The usual coloring, one of the classic hallmarks of Sylomer® materials, remains unchanged. For customer support, Getzner has also developed new, user-friendly data sheets to better present the product information. Documentation has been significantly improved thanks to three-level data sheets. Additional help has also been made available in the form of a type matching tool.



Why Sylomer®?

The new range of material expands the range of load-bearing applications by 10 per cent. Lower tuning frequencies result in better efficiency. The finer granularity of the new product range means that the materials can be used better and more flexibly in the applications. Ultimately, this results in more cost-effective use of the materials.

How does Sylomer® help minimize the use of resources?

With this new series, Getzner offers a range of products with the following advantages:

- Higher load-bearing capacity with identical performance
- Optimized design and calculation possibilities
- Lower use of material and resources as a result
- Reduced transport volume
- Better utilization of the resources thanks to more finely graduated product range
- Quicker availability thanks to shorter curing times - less storage, less use of energy
- Recyclable
- Still no use of physical foaming agents
- Improved process safety and precision - reduction of waste and special deliveries requiring additional resources
- Durability for decades

Recycling Facilities

In the early 1990s, Getzner Werkstoffe took the initiative and developed a recycling center for polyurethane materials. In this new facility, polyurethane scrap is dissolved into a liquid using the glycolysis / alcoholysis method. The resulting polyol material can then be used in the production of new polyurethane products. With this approach, it has been possible to drastically reduce the purchase and use of new materials and to reduce the amount of polyurethane waste material. A special new product, the construction mat, was developed to promote the use of the resulting GW polyol.



Internal recycling means that the polyol material can be reused.

Climate Protection

Getzner takes the Kyoto Protocols as a guideline and places great emphasis on reducing of greenhouse gas emissions and on energy conservation.

New Construction: Investment in the Future

In mid-2008, Getzner Werkstoffe held ground-breaking ceremonies for the largest plant expansion in the company's history. With a total volume of EUR 17 million, the investment project centers on a new office building, production and logistics. The new construction also generates clearly positive progress for the energy balance. The project is scheduled for completion in spring 2010.

- Getzner currently heats with gas and/or heating oil.
- Cooling is handled by cooling machines which are run with groundwater.
- The existing well is used in production for cooling machinery.
- The surplus heat, however, is not utilized.

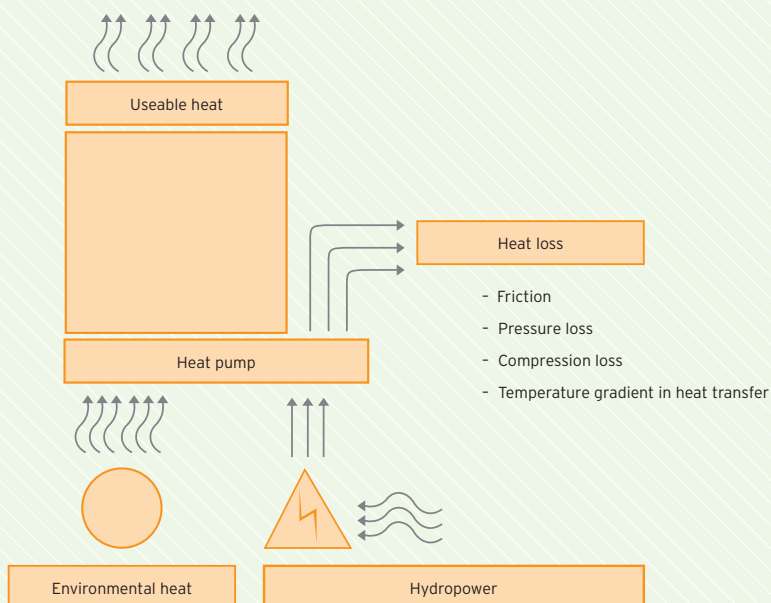
With the new construction, Getzner makes a clear commitment to climate protection and careful use of resources. The company is focusing entirely on alternative, climate-friendly energy sources:

- The capacity of the groundwater well was increased to two units at 12 liters per second each.
- In the future, heating energy will be provided by a heat pump run using groundwater.
- The energy generated (heat or cold) will be stored in 7,000-liter buffer tanks.
- With free cooling, the heat pump has a COP value of 58. This means that 58 kWh of cooling energy can be generated from one kWh of electricity.
- The "old" gas heating system is not affected and will not be overhauled. However, heat from the heat pump can be transferred into the "old" heating system in order to also save energy in the existing system and further reduce emissions of greenhouse gases.
- In total, Getzner Werkstoffe is reducing its emissions of CO₂ by 110 tons annually.



Use of Process Heat

Another effect of the new construction project is that heat from the production processes can be captured by the heat pump and reused. This is a double benefit for the environment: on the one hand, less energy is used, and on the other, less heat is emitted into the environment.



Generating Our Own Energy

Getzner is committed to hydropower. Most of the electrical power used for running the heat pumps is generated in the group's own hydropower plants. This also helps to drastically cut emissions of greenhouse gases. Yet another way Getzner actively works to protect our climate.





Getzner encourages and supports its staff in cycling or taking public transportation to work in order to minimize the climate and environmental impact caused by individualized motor traffic.

The number of cycling days per participant is recorded and the most dedicated cyclists are rewarded within the framework of a company competition: every employee who comes to work more than 20 times or rides more than 200 km to work per year is given a surprise gift. A free annual bicycle check-up is also offered, to ensure that employees are safe on the road.

In 2007, Getzner's employees logged a total 12,225 kilometers cycling to their workplace, and in 2008 this figure rose to 20,055 kilometers. The cycling target for Getzner's employees in 2009 is 25,000 kilometers. This is equivalent to a reduction of about 4.4 tons of CO₂ emissions.

To facilitate switching away from the automobile to public transportation, Getzner covers 80% of the costs of an annual pass.

Occupational Health Program

The goal of Getzner's Occupational Health Program is to ensure that employees are physically and mentally healthy and socially well-adjusted. This applies both to their professional activities and their private lives. In support of this goal, there are ongoing measures to improve working conditions and the corporate culture as well as individualized programs for preventative measures.

Getzner Werkstoffe takes the health of its employees very seriously. Every year, the company offers a multi-faceted, cost-free health program within the framework of its Occupational Health Program. Every year, the staff has shown a keen interest in courses on activities such as Nordic walking, back training, ski gymnastics and yoga as well as lectures on subjects such as nutrition, allergies, first aid and burn-out/stress management.

Above and beyond this, employees are offered the opportunity to have the company doctor review their vaccination records and are provided with information on necessary vaccinations and any necessary booster shots. Interested employees can obtain the necessary vaccinations at a reduced price within the framework of this program.

In cooperation with a local fitness studio, Getzner Werkstoffe offers its staff free, flexible options to stay in shape. Other activities sponsored within the framework of the Occupational Health Program include annual check-ups and consultations with the company doctor, vaccinations, and various other highlights such as the fruit campaign, the cycling program and participation in the Citylauf running event in Bludenz.



Paths to Personal Development

Focused personal development is a key topic at Getzner. This encompasses the education of vocational trainees, a trainee program, qualification measures at the individual and company level, the formulation of development plans for employees and ensuring continuity in meeting staffing needs. Future specialists are trained directly on location at the facilities in Bürs. Personalized training, based on the previous education and professional experience of the individuals, helps staff to integrate quickly into the company.

Trainee Program

In the 18-month Getzner Trainee Program, participants are exposed to a wide variety of the company's fields of activity, allowing them to recognize and explore their own personal strengths and interests.

Depending on their specific background and interests, they work at the different units for various periods of time. For instance, this introduction program at Getzner Werkstoffe takes them into the lab for material development, which is particularly important in order to keep abreast of the latest developments in the field of vibration

technology. Following this, they may spend time working in application technology or system development. Other possible jobs include product qualification and management, internal and external distribution and finally, production.

Following completion of the trainee program, trainees have the opportunity to start an exciting job at Getzner.

Vocational Training

Today's vocational trainees are tomorrow's experts. With this in mind, Getzner Werkstoffe is a strong supporter of vocational training. In addition to the classic dual education track (vocational school and practical training at companies), there is also a company-internal rotation program for trainees:

They are familiarized with all of the company's business areas and receive comprehensive training in all of the relevant professional fields. The experience gained by the trainees in the various departments opens up numerous options within the company since the program expands the range of possible employment positions for the future. Advanced training and project work in

teams serves to enhance the trainees' professional expertise, interpersonal skills and their sense of responsibility for the environment. Outstanding performance shown by the trainees in these demanding programs is rewarded in a bonus system.

An example from real life: an employee who is in the process of finishing her apprenticeship as a commercial assistant completes her vocational school diploma at the same time. This endeavor is financed and supported by the company. This helps trainees to make the most of their personal development path.



Safety & Emergency Organization

Critical events happen at companies around the world everyday. Getzner Werkstoffe is also aware of the hazards in and around its own operations, and has consequently focused strongly on this subject to prepare itself well.

As a start, it was necessary to clarify all the various kinds of things that could happen. Doing so generated some results which did not seem to deserve serious attention at first. But upon closer consideration, the company found that it certainly also had to investigate the effects of unlikely events as well. For example, the idea "What do we do if a helicopter crashes on our building?" initially may have elicited some chuckles from the working group. But upon closer consideration, it turns out that such an event is not all that far-fetched: rescue helicopters pass over Getzner's facilities on the way to the hospital in Bludenz all the time. There is a real possibility of one them crashing on the plant. Another area where a great deal of insight was gained was the consideration of flood preparations.





Getzner has had an emergency response organization in place right from the very beginning. But this organization was originally limited to alarming the appropriate first responders. Right now, the company is in the process of developing a detailed crisis management strategy, which deals with all the different phases of a critical event. In the preparation phase, a Catastrophe Management Officer was designated. This officer is responsible for ensuring that key documents, such as telephone lists, are up-to-date. These documents are filed in the Catastrophe Management Plan. For the First Aid Phase, an emergency call sys-

tem for first aid providers was created. The plant's fire brigade is alarmed via a newly installed computerized alarm system. All members of the fire brigade are automatically notified by SMS. Because of the relatively high frequency of false alarms in the past, there are now two different signals. Getzner distinguishes between a standard fire alarm and an evacuation alarm. The latter can only be triggered by the fire brigade staff in the firehouse. The Evacuation Alarm signals to all employees that the facilities are to be evacuated and that they should proceed to the evacuation points. At the evacuation points, the fire brigade, working

together with the management on the scene, check the numbers of employees. Within the framework of this reorganization, the structure of the evacuation points was also changed: now, all employees must gather by "process" according to the signs at the evacuation point. Three alarm levels were defined for damage control activities. These signal whether the situation is to be handled internally or if an external command organization is responsible. As a next step, a comprehensive manual for professional crisis communication was developed together with a PR agency.

System-Relevant Contents





Environmental Policy

The basis for our environmental management activities is formed by the legal requirements, our corporate philosophy and our corporate strategy.

It is completely natural for us to comply with all of the relevant environmental regulations and official requirements.

Our products and solutions are an active contribution to reducing environmental pollution affecting human beings.

Manufacturing of our products takes place in an environmentally sound manner, with consideration of economic aspects and the aim of avoiding or minimizing environmental pollution.

In the development of new products and solutions, we pay close attention to environmental criteria, the environmental soundness of the materials and their lifecycles. We are committed to using the best available technology and to promoting constant improvement.

Our management has an important function as a role model and motivates the employees to think and act independently.

Advanced training of our employees is an important aspect of our environmental policy, and compliance with all company-internal processes is checked regularly.

We pursue an open, responsible information policy with the general public and with our customers.

Integrated Management System

The Integrated Management System (IMS) ensures a central role for environmental protection in all of the company's activities. It is based on the following main points:

- Corporate and business principles
- Legal framework
- Quality management requirements (EN ISO 9001)
- Environmental management requirements (EN ISO 14001 and EMAS)
- Safety requirements

These requirements form the basis for the descriptions of activities and the work instructions and are thoroughly taken into account in process-oriented actions.



Levels of IMS Documentation

Management manual

Process descriptions and tools and methods

Work instructions
(work, testing, safety and maintenance instructions)

Constant improvement requires a functioning organization flow for processes because processes must be understood in their entirety in order for a management system to achieve the desired results. Based on the environmental policy, the management derives the goals for the following three business years. These objectives are then used to formulate specific measures, which must be implemented by the responsible party by a certain time. Above and beyond this, additional optimization potential is sought and realized within the framework of the

Continuous Improvement Process (CIP). By maintaining a log of environmental regulations, Getzner ensures that all legal requirements are fulfilled. On a quarterly basis, all new or amended environmental regulations are updated and reviewed to determine their relevance for the company. Implementation of the regulations is the responsibility of a specific employee.

Moreover, it must be checked whether the management system meets all of the requirements and whether the planned measures will achieve the de-

sired results. This is ensured by regular internal audits carried out by specially trained employees or external consultants. Within the framework of the recertification and validation audit, an external expert regularly reviews the management system. The results of the audits and trends and values of predefined indicators are discussed at the Management Review Meetings. In the event of deviations, corrective measures are taken in due time.

Environmental Impact





Wastewater

The manufacture of Getzner's materials hardly generates any wastewater. Water is mainly used for cooling and for the water jet cutting equipment. The wastewater from these operations does not come into contact with any toxic or soluble chemicals.

A significant reduction in the use of water from the communal water supply was achieved through the installation of a groundwater well for cooling water at the plant in 2002. Cooling water is used for maintaining the temperatures of the raw materials and cooling the hydraulic plants. When the water is allowed to seep back into the soil at the plant site, the temperature is constantly monitored and remains under 20 °C to ensure that excess heat is not transferred into the soil and groundwater. If the threshold value is exceeded, an alarm is triggered in due time, allowing suitable corrective measures to be taken.

Exhaust Gases / Airborne Emissions

No exhaust gases are generated in the production of PU foams at Getzner. The largest source of emissions is the space heating system which is operated with natural gas or heating oil. This system is checked annually, and its gas emissions are measured.

Diffuse emissions from the volatile isocyanates were also reviewed: for the most part, the values were below the detection threshold and for all measurements the levels found were lower than the legally defined thresholds.

Noise Pollution

Broadly speaking, the production processes at the plant have no impact in terms of noise pollution. The noise generated by the operations cannot be heard outside of the production halls.

Indirect Environmental Aspects

Flora & Fauna

The facilities' operations have no impact on flora and fauna.

Ground

In order to protect against chemical spills, all potentially affected outdoor areas are paved and outfitted with collection systems. A range of protective measures was implemented in the building to make contamination of the soil very unlikely.

The soil at the site is free of pollutants stemming from earlier periods, and the environmental audit also found that there is no danger of contamination in the future due to our operations.

Waste

When switching between the production of different products, the mixing heads in the pouring equipment must be cleaned, leading to the creation of PU sludges and liquid waste. These sludges are a mix of unreacted polyurethane and water and comprise the main component of the hazardous waste. However, significant reductions

have been achieved in this regard in recent years through a modification of the pouring process. Materials which previously resulted in PU sludges now go through the full reaction process and can thus be disposed of as non-hazardous waste.

Processing of the mats results in PU scrap. Some of this scrap material is turned into a liquid raw material in the plant's recycling facility and fed directly back into the production process.

All recyclable material and waste is sorted by type and handed over to a certified waste collector for further processing. PU scrap can be used as a high-energy fuel (for example in cement production). The specific breakdown of all waste materials can be found in the waste management concept.

Odor

No odors are created in the production process.



Environmental Program 2006-2009





Goal: Reduce PU Waste Volume to a Maximum of 9% by 2009

Measures/Status

Measure:

Further optimization of edge pouring processes (implementation status currently ca. 80%).

Status:

The tests have been completed, but the resulting product was not a success on the market.

Measure:

Tighter edging with new technology.

Status:

The new technology has been implemented but is still in the trial phase.

Measure:

Minimizing the stamp mesh by using multiple stamp blades.

Status:

Mostly completed.

Measure:

Expansion of moulded parts capacities.

Status:

Granap was implemented as a moulded part, sleeper pads are being developed.

Measure:

Development of an Internet-based bidding site for residual materials.

Status:

Was unable to establish itself as a viable market.

Measure:

Search for buyers who can use scrap as a raw material for a new product.

Status:

Various projects were started, but it was not possible to successfully place the products on the market.

Result

As of July 2009, the ratio of PU waste volume to tons of PU sold amounted to 17.9%. This is essentially due to the fact that the product mix has shifted in favor of more waste-intensive products such as sleeper pads.



Goal: Reduce the Use of Potable Water by 1,400 m³

Measures/Status

Measure:

In the future, the demand for process water (e.g. for the water jet equipment) is to be met more extensively with groundwater, thereby helping to reduce the use of the community's potable water resources.

Status:

The capacity limit of the groundwater well has been reached, making it necessary to use more of the communal water supply for cooling processes.

Result

With the new construction project, the capacity of the groundwater well was boosted from approximately 6 liters/second to around 24 liters/second.

Goal: Assess the Actual Situation

Measures/Status

Measure:

Inspection of the sewer network (location, watertightness, capacity) and preparation of a new sewer network map.

Status:

Flushing and filming of the entire network.

Measurement of the sewer network.

Preparation of a new sewer network plan.

Assessment of any problems in the sewer network by a sewer cleaning specialist.

Result

Approximately 80 meters of sewer pipe were repaired with a liner. The data were evaluated using software from the company Adler + Partner (engineering office for water facilities). In the future, Adler + Partner will be advising Getzner on sewer-related issues.

Goal: Reduce Electricity Use by 60 MWh per Year

Measures/Status

Measure:

Introduction of an energy management strategy.

Development and implementation of a strategy for the use of waste heat from the band pouring unit for water preparation.

Review and optimization of the compressed air system.

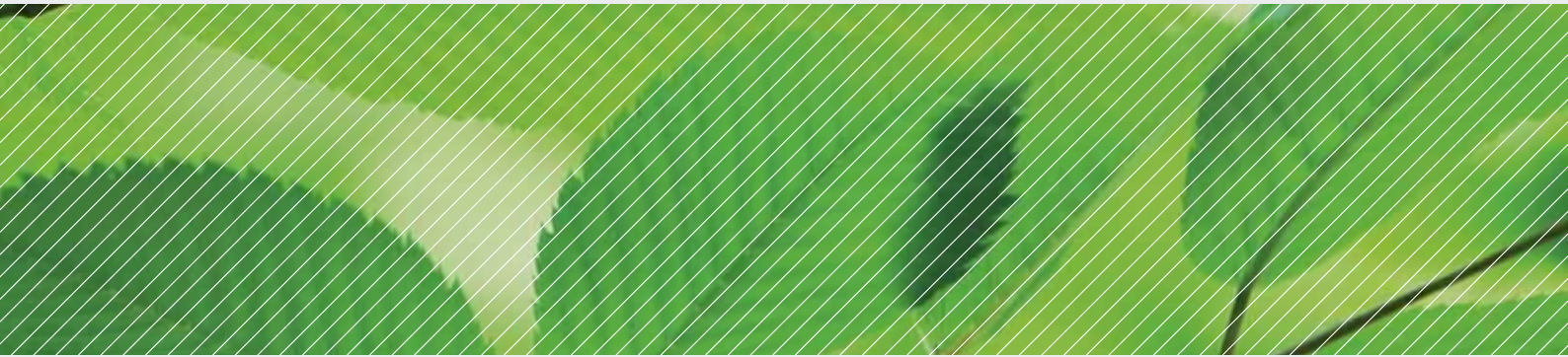
Status:

The compressed air system was inspected and documented.

The use of waste heat was planned and prepared in the new construction project.

Result

Heat recovery in production has been partially implemented.



Goal: Reduce the Volume of Stored Toxins by 50%

Measures/Status

Measure:

Switch over to smaller unit packages.

Relocation and downsizing of the toxic material storage depot.

Status:

It was not possible to switch over to smaller packages. Due to this and because additional substances will be classified as toxins within the framework of GHS*, a new toxic material storage depot is being built. Planning of the new depot is underway.

* GHS: Globally Harmonized System of Classification and Labeling of Chemicals

Result

The volume of stored toxins could not be reduced => construction of a new storage depot.

Goal: Establish Decision-Making Framework

Measures/Status

Measure:

Analysis of transport systems (supply of raw materials, delivery of products) and identification of potential improvements.

Status:

The analysis was carried out. As a result, the storage tank depot was enlarged. The delivery volume per tanker was increased, thereby reducing the number of required deliveries.

Result

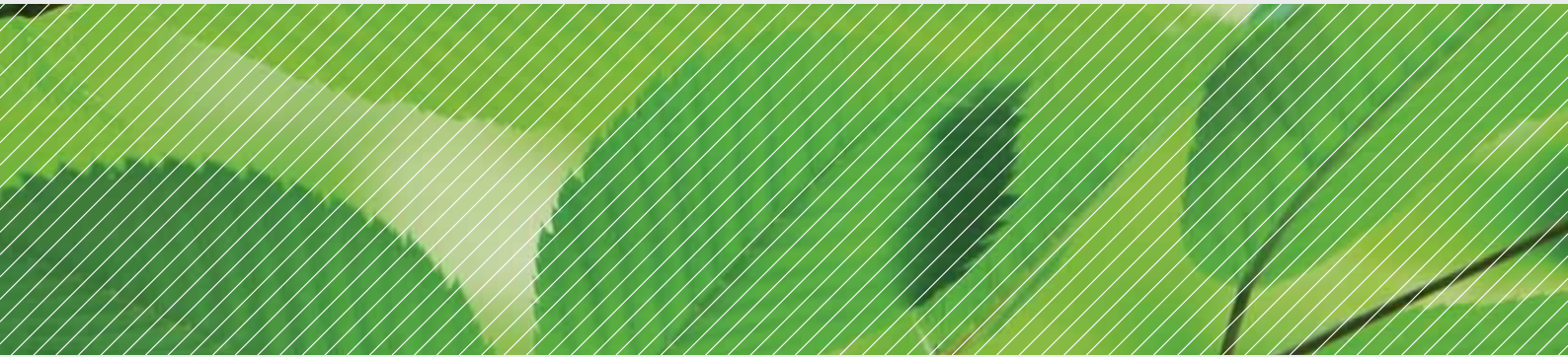
The delivery volume per tanker was increased. This resulted in a 7% reduction in the number of trips required.

Environmental Program 2010-2012

Looking forward to the future, a key focus will continue to be reducing the amount of PU waste produced.

The following measures have been resolved in this regard:

Field	Goal	Measure
PU scrap	Reduction of PU waste volume per ton of PU sold to a maximum of 12%	Reducing PU scrap
Hazardous waste	Reduction of hazardous waste per ton of PU sold to a maximum of 1%	Reduction of hazardous wastes
Energy/climate	Reduction of the use of fossil fuels by 10%	Heat pump
	Elimination of the energy-intensive drying process	New cutting method
	Improvement in energy management	Meter
	Reduction of electricity use	Lighting control system



Task

By

- Stamps with open blades	2010
- Side trimming to Bagi, continuous expansion	ongoing
- Implementation of sleeper pads as a moulded part	2011
- Review: use of waste for energy generation	2013
- Continuous expansion of the online metering on Bago 1+2 to reduce rinsing requirements	ongoing
- Continuous expansion to use process heat	ongoing
- Feed-in of the surplus energy from the heat pump for heating and cooling the old facilities	ongoing
- Testing of a new cutting method for replacing the water jet equipment	2011
- Installation of meters (water meters, electricity meters, etc.) for measurement to allow for targeted energy management efforts	2012
- Installation of a lighting control system; control of the lighting on the basis of luminosity	2012



Field

Goal

Measure

Water

Reduction of use of communal water supply (potable) by 6%

Increased use of groundwater

Hazardous waste

Secure storage of toxic and flammable materials

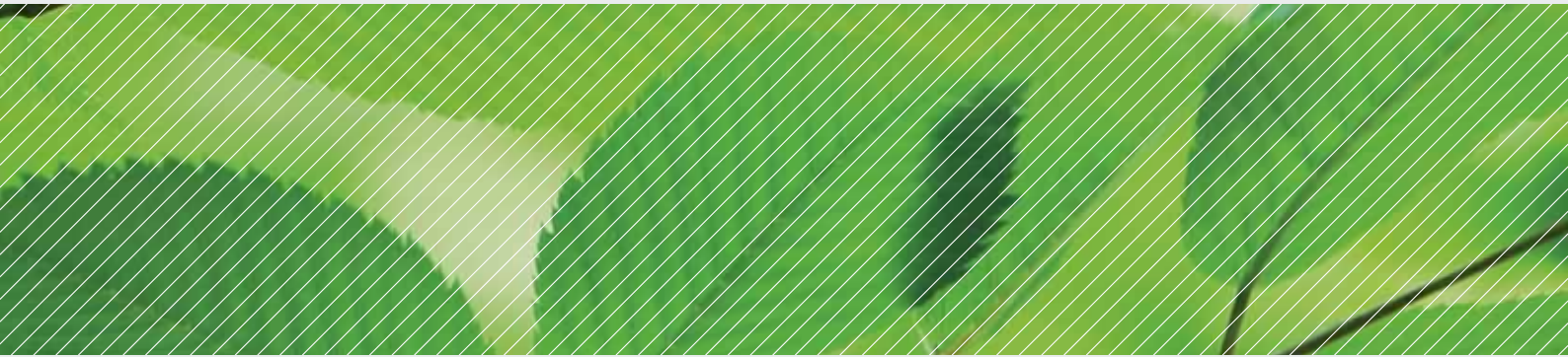
Depot for toxic and flammable materials

Disaster preparation

Preparation for extreme situations

Emergency response strategy

Rapid response in an emergency



Task

By

- Commissioning of the second groundwater well	ongoing
- Continuous expansion of groundwater usage	ongoing
- Commissioning of the water treatment plant to be able to recycle water within the facilities	ongoing
<hr/>	
- Construction of a depot for toxic and flammable materials	2010
<hr/>	
- Implement a new emergency response strategy	2010
- Designation of a Catastrophe Management Officer	2010
<hr/>	
- Compilation of an Emergency Manual for managing communications	2010

Verification

Verifier: TÜV AUSTRIA CERT GMBH, 1015 Vienna, Krugerstraße 16 (A-V-008)
was commissioned to serve as the environmental verification organization.



Bürs, September 2009

CEO of Getzner GmbH

Verification Statement

The Environmental Policy, Environmental Program, Environmental Management System, Environmental Audit Procedure, as well as the Environmental Statement of

Getzner Werkstoffe GmbH
A-6703 Bürs

comply with the requirements of EU Regulation No. 761/2001.

This Environmental Statement is herewith declared verified.



A handwritten signature in black ink, appearing to read "W. Plot".

Vienna, November 2009

Dipl.-Ing. Dr. Wolfgang Plot
Verifier

Our next next comprehensive Environmental Statement will be published in November 2012. Statistics and the status of our efforts to reach our environmental targets will be published annually.



Dialog

Getzner Werkstoffe strives to maintain contact with its neighbors, business partners and other stakeholders in a pro-active, cooperative manner.

If you have any questions or suggestions related to the field of environmental protection at Getzner Werkstoffe, we invite you to contact our Environmental Protection Officer at the following address.

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