

Corporate Social
Responsibility
Report
for Rigips Plant

2019





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Rigips designs, manufactures and provides innovative solutions and systems for comfortable, safe, healthy and modern living space and faces challenges related to sustainable construction, efficient use of resources and climate change.

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Introduction

Preamble

Dear Sir/Madam,

We invite you to read our next Report of Sustainable Development for Rigips-Stawiany Factory.

In this report, we summarized our activities in 2019.

As in the previous years, we focused on these aspects of our business that are a direct result of the Rigips-Stawiany Factory's Sustainable Development Policy.

This report covers four basic areas: safety, environmental protection, employee development and engagement in the local community life. It is the result of our entire team's work, whom I would like to thank for their commitment and contribution to the preparation of the materials presented in the report.

Health and safety is our top priority. Due to the constant improvement of our safety standards, the number of dangerous incidents on our premises is gradually decreasing.

In 2019, we were ranked first in the 'Employer: provider of safe working conditions' competition. We are very proud of this award and we will certainly endeavour to keep that trophy in the following years.

We strive to continuously reduce the impact on our environment. We have reduced energy consumption and thus greenhouse gases emission due to the modernisation. We effectively segregate our waste and rationally use natural resources: gypsum by its recycling during our production processes and water by its sustainable management. Our products are ecological and safe for health.

Our most valuable resource are our employees. This is proven by the fact that the Saint-Gobain Group, of which the Rigips-Statuated Factory is a part, has been awarded the prestigious Top Employer Polska 2019 and Top Employer Europe 2019 certifications for the 6th time.

We constantly stay in touch with local authorities. Our goal is to support the local community. Therefore in 2019, as in the previous years, we participated in various charity projects.

Development is a key issue for any company, but only thoughtful, responsible and sustainable development can bring a lasting success.

Once again I invite you to read this report,

Maciej Kuczyński
Managing Director of RIGIPS





For us, sustainable development is an important requirement and the priority for Company's policy.

M. Kuczyński

About Us

Rigips is a manufacturer of plasterboards and interior drywall systems. We are part of the international group Saint-Gobain and we have been building our position on the Polish market since 1994. During this period, we have become an expert in our sector. We know everything about gypsum



Gypsum mine 'Borków', naturally

The 'Borków' mine becomes our property in 1995.

This is the only excavation from which we obtain production materials, so we can ensure their high quality and natural origin. Since 2000, the mine has been gradually modernised, in particular by purchasing modern machinery and optimising mining processes.

Rigips - Stawiany Factory

The factory where our products are manufactured is located in Szarbków, near Pińczów. The first plasterboard came off the production line in February 1999. We started production of Casoprano ceilings in 2006 and in 2010 we built the factory that produces gypsum blocks.

As a quality partner, we comply with the highest standards of our production. We can boast many certificates which confirm this quality.

- In April 2001, we received the Quality Assurance Certificate in accordance with ISO 9002:1994 standards in production, sales and technical service.
- After only eight months, we adapted our internal management system to the

26 years

of experience

+300 +500

systems
offered

products
offered

requirements of ISO 9001:2000 standards

- In 2010, the integrated management system was certified in accordance with ISO 9001:2008, ISO 14001:2004 and PN-N-18001:2004 standards.
- In 2016, during another recertification, the requirements of ISO 50001:2011 were added. In 2018 our integrated management system was certified in accordance with ISO 9001:2015 and ISO 14001:2015 standards and in 2019, in accordance with ISO 45001:2018

Our Unique Office

Our office is currently located in the district of Mokotów in Warsaw, at Cybernetyki Street 9, As you know, we are a partner for modern, safe and comfortable solutions, so we could not use for our office any other materials than our own products! Rigips systems gave it functionality and ensured the working comfort.

Sustainable Development Policy

Strategic goals 2019:

1. Safety
2. Investment in human capital and building the employee engagement
3. Successful marketing
4. Effective sales
5. Satisfied customers, strong supply chain
6. The highest quality production realised in accordance with WCM (World Class Manufacturing) standard
7. Supportive finances and efficient administration

We implemented the Sustainable Development Policy in 2017. Since then, we have been building our strategy on the basis of the following objectives:

- creation of sustainable constructions,
- standing out on the market of building materials,
- reduction of environmental impact,
- encouragement of employee professional development,
- support of local communities' development.

Our strategy is based on clearly formulated strategic objectives, which main principles for 2019 were safety and long-term, stable growth of the company value.

Key aspects

Rigips Sustainable Development Policy

1. Creation of sustainable constructions
2. Standing out on the market of construction materials
3. Reduction of environmental impact
4. Encouragement of employee professional development
5. Supporting development of local communities



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Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.

Quote from the Report of the World Commission on Environment and Development 1987.

How did the implementation of our strategic objectives led to the sustainable development goals realisation?

The Sustainable Development Goals (SDGs) were adopted by all 193 UN member states in New York, by the Resolution of the General Assembly on 25th September 2015.

The 17 Sustainable Development Goals and the 169 related targets should be achieved by the World by 2030. They concern achievements in 5 areas (so called 5xP): people, planet, prosperity, peace, partnership. The goals cover a wide range of challenges such as poverty, hunger, health, education, gender equality, climate change, sustainable development, peace, social justice



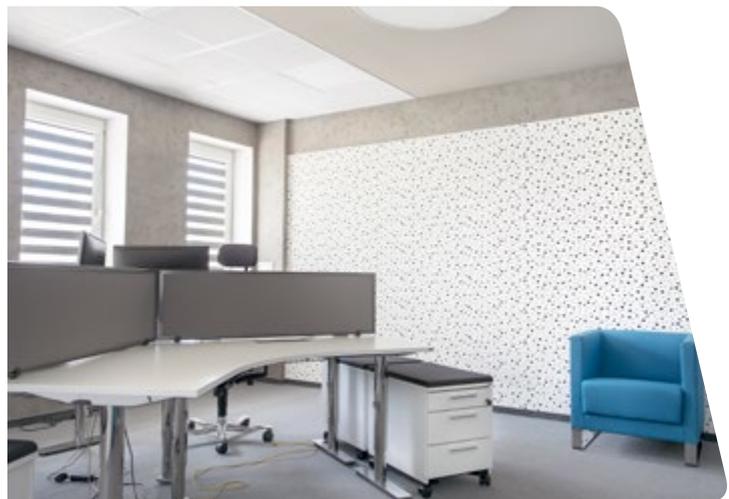
Safety



Zero accidents at work and occupational diseases are our primary strategic objective. In 2019, we adopt a range of measures to ensure the most effective protection of health and safety in the workplace.

As a result, there were no accidents at work with both: our and our subcontractors' employees working on our premises. There were also no occupational diseases recognised.

Simultaneously, we have been working on improving the comfort of workstations. We have renovated the office and laboratory rooms in the gypsum plasterboard production hall. When selecting the technology and materials for renovation works, we focused primarily on the need to improve acoustic conditions and work ergonomics by application of Saint-Gobain technologies (e.g. Rigips 3.21.10 AKU acoustic system).



Details of our occupational safety and health projects can be found further in this report.

In 2019, our employees participated in 4 meetings with the Management Board (Team Briefing)

Investment in human capital and building the employee engagement



The greatest capital of our company are people. The strategic objectives could not be achieved without our employees. That is why every year we implement projects that support employees in knowledge acquisition, engagement and motivation building and, at the same time, we do not forget to ensure equality.

The main actions we carried out in 2019 in order to implement the strategic objectives in the area of Human capital were:

- effective communication policy which gives the employees the opportunity to learn about their impact on the application of the company's strategy through regular meetings with employees (Team Briefing) and an annual evaluation campaign
- constant striving to improve the efficiency of our employees and their subordinates work and the efficiency measuring by the employee engagement survey indicator. The employee engagement survey was conducted once again in 2019 with a general result of 78% for Rigips.

- implementation of a pilot development program based on knowledge transfer within the company (internal training system)



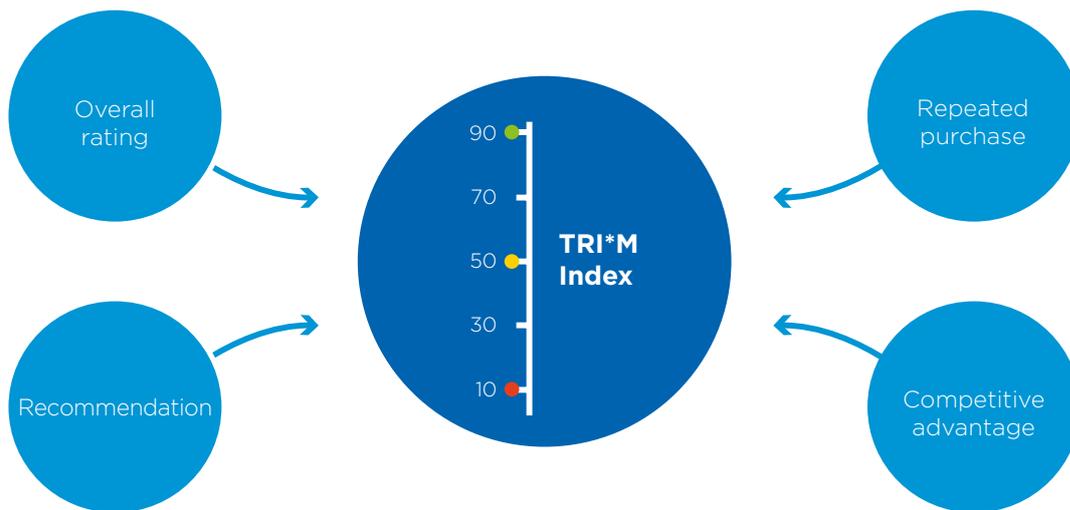
- introduction of the Employee Assistance Program, which aims to support employees and raise their awareness of the impact of mental well-being on their work quality and care about the balance between the work and private life.

In the section 'People: our most valuable resource' we describe in detail our human capital initiatives.

Successful marketing and effective sales



In 2019, our strategy in terms of sales and marketing was based on a strong focus on our Customers. To ensure their satisfaction, we decided to conduct a customer satisfaction survey for Rigips, which was carried out by an external company Kantar. 203 interviews with our Customers: distributors, contractors and architects were held and the final result was presented on the basis of the four indicators analysis: Overall rating, recommendations, competitive advantage and repeatability of purchases (TRI*M methodology).



The survey results showed an increase in our Customers' loyalty towards the Rigips brand. It was another year of this indicator growth. We consider this result to be satisfactory.

The results of the TRI*M survey confirmed the effectiveness of our strategy and the legitimacy of our strategic objectives, which have been achieved through the following actions:

- implementation of a new product training system for the employees of sales, marketing and technical departments. In 2019, 5 training sessions were organised.
- introduction of new products with full marketing support: recently, the biggest project of this type was the introduction of Glasroc® X, Ultrastil® Hydroprofil C4 and C5

products. You will find more information about our innovations in the Innovation section.

- introduction of modern digital solutions and applications to increase the level of sales and improve customer satisfaction (e-commerce, website development). The share of sales in the e-commerce channel significantly exceeded our budget plan, which proves the great interest of Customers in this type of solutions.
- Change of the approach and frequency of meetings with Customers



Satisfied Customer and Strong Supply Chain



For many years, our logistics processes have been undergoing changes to maintain a high level of customer satisfaction and, on the other hand, to transform our supply chain into a green supply chain.

What is green supply chain?

It is an environment-friendly logistics process. The green supply chain is organised in a way that permits to use as little water and energy as possible and to reduce waste. Since transport is a key process in the supply chain, it should be organised to emit the smallest possible amount of pollution into the atmosphere.

We are on the way to turning our supply chain into a 100% green, environment-friendly process that will also ensure a high level of customer satisfaction in the following years.

This process is a part of our strategy and currently we measure its effectiveness with indicators that reflect our effectiveness in the following areas:

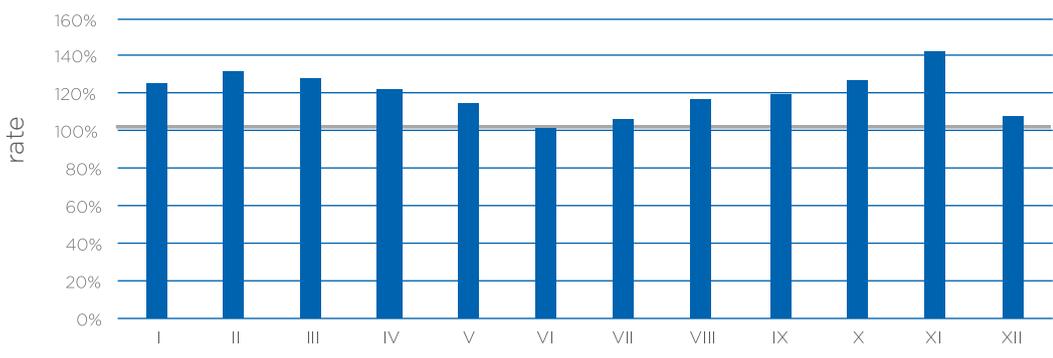
- efficient warehouse management in order to keep inventory at an optimal level, which is achieved through effective production planning, optimisation of deliveries and shipments. Every day we make sure that the level of our inventory of both: raw materials and commercial goods does not exceed the planned values. We buy enough to ensure a level of production that guarantees satisfactory deliveries to our Customers. We know that the excess of goods is unfavourable not only financially, but also in terms of resources protection. The goods may expire, destroy and then all the effort put into their production is wasted. In 2019, we succeeded in this area: on the chart, the indicator above 100% shows the achievement of our goals.



100%

green and ecological supply chain during the next few years

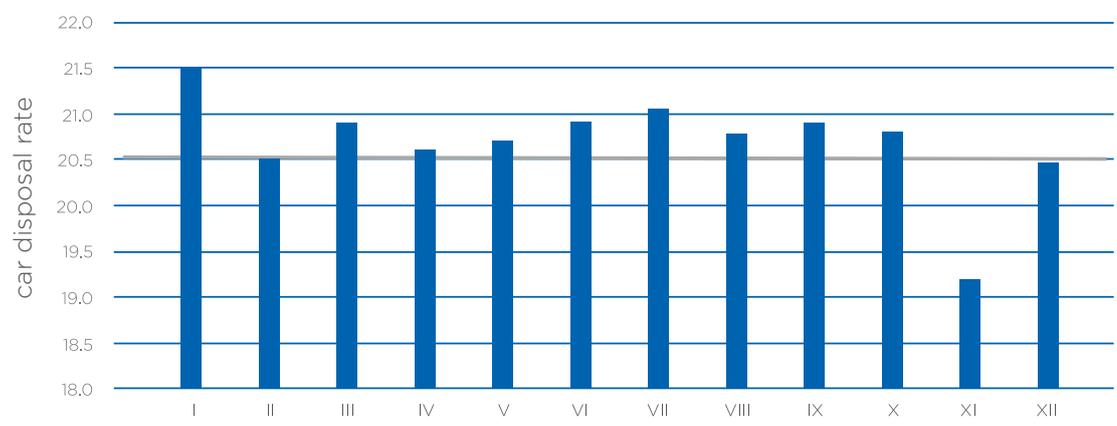
Inventory and turnover



- optimisation of vehicle loading, which planned level was archived through the implementation of effective, modern tools: WMS and TMS. We have already mentioned that the biggest process in logistics is transport. Cars are one of the means of transport that generate the major amount of pollution, mainly due to the emission of carbon dioxide from fuel combustion. Therefore, it

is extremely important to make optimal use of the loading area. We take care of this process by setting challenging goals and monitoring them daily. In 2019, only in November we did not achieve our target, i.e. the minimal level of disposal of 20.5.

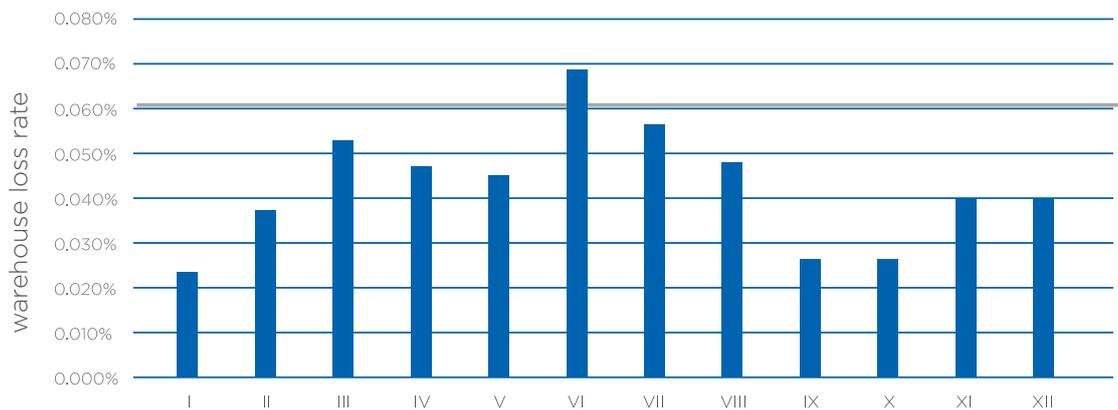
Car disposal rate



- reduction of warehouse losses to below 0.06%. For us, each m2 of our board, every ton of gypsum or kilo of production additive is worth its weight in gold. We take care of the quality and volume of our inventory to reduce the risk of

its damage. These actions have not only the financial dimension. Every damaged piece of goods is a waste of natural resources, especially when we cannot recycle it. In 2019, our warehouse losses remained below the expected level for most of the year.

Warehouse losses



In the further part of this report we present our projects and initiatives which enabled the achievement of the above presented results.

Highest level of production in accordance with WCM (World Class Manufacturing) standard



Our priority is to adapt the production processes to the sustainable development goals. It is the production and the way it is managed that mostly influences the realisation of our strategy based on the sustainable development model.

Our production departments' efforts to achieve sustainable development and reduce the environmental impact of our operations reflects in the realisation of our production goals.

The first of them is productivity (Total Efficiency) which is a measure of our efficiency. In 2019, we achieved satisfactory results on the lines of blocks and ceiling boards, exceeding expected productivity levels by:

- 3.6% on the line of gypsum blocks
- 2.2% on the line of ceiling boards

We reached a high level of the line disposal, which resulted in efficient energy consumption and low waste generation rate. We transferred 100% of the waste generated in production processes on the line of blocks to be processed in another production process.

In the case of the plasterboard line, we achieved productivity level lower than it was expected by 2.3%

However, our numerous energy related projects resulted in our total energy consumption index drop of 0.44% in comparison to 2018 (per tonne of gypsum produced).

The second strategic objective set for the production area in 2019 was the implementation of essential for development and operations projects, with particular emphasis on innovative products. We achieved this objective by introducing new products to our offer.

Circular economy is the third key objective for our strategy. Gypsum is a raw material that can be used repeatedly. For many years, our technology has been based on the use of gypsum waste in the production process. This is how we recycle waste produced in our factory, we also more and more intensively reprocess gypsum waste from the market. For this reason, we decided to modernise our line and increase the ability of using gypsum waste in the production. In 2019, the technological concept of new line to process the gypsum waste was framed. The project will continue in 2020.

The last objective we set in the area of production is development of the Industry 4.0 technology. We are aware that without smart solutions the industry has no future. In order to achieve this objective, we have created automatic database of production standards. This is how our employees have quick and friendly access to information that they need at different stages of the production. We have also developed a quality control system with modern tools for measuring board geometry.





Charitable activities



Charitable activities are permanently embedded in the management culture Rigips. Every year, we plan

our expenses for supporting the local community and every year we carry out projects to help those who need it the most. In 2019, we participated in many initiatives. We have dedicated a separate chapter of this report to share information about them with you.

Occupational safety and health

Safety is a top priority for the entire Saint-Gobain Group. On a daily basis, all the Companies of the Group, including us, take the necessary actions to ensure the most effective protection of occupational safety and health.

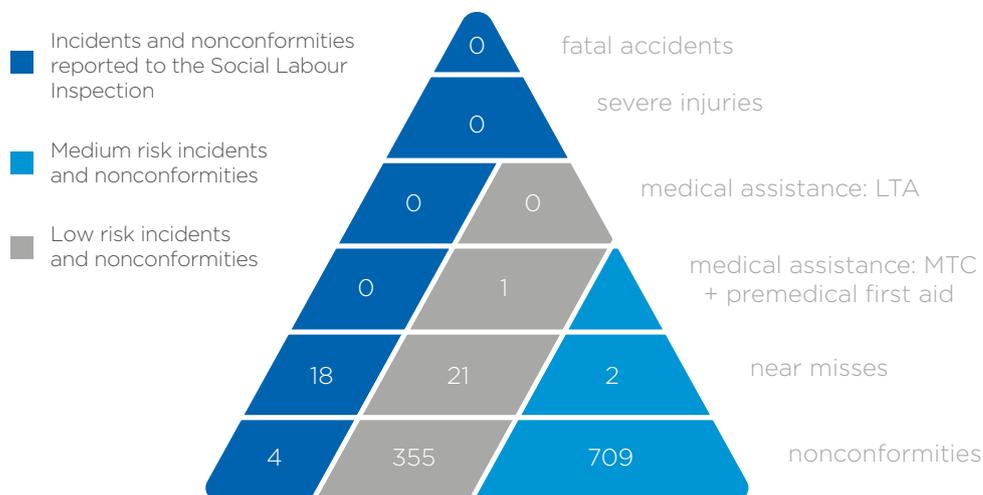
Our objective has not changed for many years:

ZERO ACCIDENTS
AT WORK (TF1, TF2=0)

ZERO OCCUPATIONAL DISEASES

We can proudly say that in 2019 this goal was achieved. No accidents at work have occurred on our premises for 700 days.

Accident triangle 2019





Projects to separate pedestrian and vehicle traffic in the site entrance

We have also significantly reduced the risk level on our premises, which in 2019 was assessed with:

58,864 points

The reduced risk level was (reduction by 65.4%!):

-38,468 points

simultaneously, we have identified new dangerous areas with risk level:

+31,224 points

The risk reduction was caused, among other factors, by our projects:

We have also carried out various projects concerning the elimination of harmful factors at workstations (noise, lighting, energy):

Project name:	Harmful factor
Modernising safety systems of the machines	energy
Purchase of a new drilling rig	vibration, noise
Replacement of combustion forklifts with electric ones.	exhaust gases emission, noise
Noise reduction in offices and production areas	noise

Project name:	Expected risk reduction	Actual risk reduction
<ul style="list-style-type: none"> • Project to separate pedestrian and vehicle traffic • Reorganisation of unloading/loading works • Driver education by preparation of a new instructional video • Modernisation of road infrastructure in the mine 	30%	41%

The occupational safety and health management system in our site is based on several pillars that permit to establish consistent and clear rules of conduct, design effective processes to reduce risk and build a safety culture.

The first one is compliance with law. Each year, we undergo an external audit which checks the conformity of our procedures and processes with the occupational safety and health regulations.

The 2019, the audit did not identify any nonconformities in this area, which means that we operate in accordance with the current regulations.

The second pillar on which we base our safety system is ISO 45001:2018 standard. The implementation status of the standard is audited by an external auditor (SGS Polska company).

We were also awarded the certificate confirming the conformity of the occupational safety and health management system with this standard.

The third pillar is the WCM system, which consists of 10 elements. One of them is the Health & Safety Management System. This system enables establishment of the challenging goals in accordance with Saint-Gobain's global policy.

All the three systems are coherent, complementary and interdependent.

The tool that helps us to achieve our goals and tasks related to occupational safety and health is SMAT.

In the previous editions of this report we explained in details what SMAT and its role is.

What is SMAT?

SMAT is a visit to a workstation, a talk with employees about the safety measures.

The meeting is used to evaluate: behaviour, conformity with provisions of the standards, reactions to any safety non-conformities and actions taken to reduce risk at the workplace.

The SMAT should focus on one person or a small group of people performing the same task. A person in charge of the working area who is familiar with the specific risks and local regulations and can facilitate immediate decision making, including those concerning further actions, can participate in SMAT.

In 2019, as expected, the level of our employees engagement was high. On average, employees performed more than 50 SMAT audits per month,

1254 audits during the year



What we want to achieve?
The purpose of introduction the SMAT visit system is to ensure:

- employees' focus on a safe method of performing work,
- understanding of how important safe behaviour is,
- indication of areas where work is performed correctly,
- assistance in the identification of danger created by incorrect habits during the work performance,
- assistance in understanding and consolidating the knowledge of occupational safety and health instructions and procedures,
- raising the employees' awareness related to occupational safety an health,
- minimisation of risk of accidents.

Competition of the National Labour Inspectorate 'Employer: organiser of safe work'

Saint-Gobain Construction Products Polska Sp. z o.o. The branch in Szarbakowo won the first place in the competition

'Employer: organiser of safe work'

At the level of District Labour Inspectorate in Kielce, for employers of 51 to 250 employees. We thank our employees for their engagement in building the safety culture in our company.

The idea of the competition 'Employer - organiser of safe work' was developed about a quarter of a century ago. When the National Labour Inspectorate began the first edition, the main idea was to instil in entrepreneurs a spirit of competition slightly different from that required by the normal, everyday, economic market game. It was about starting a competition related to the standards of working conditions, where health and often even life of employees is at stake. The Chief Labour Inspector decided that the inspection will not only teach, but also reward and promote those who create safe and ergonomic workplaces.

Nowadays, the competition is not only an opportunity to receive an award, but above all, it is a motivation for the further development of each company and continuous monitoring and improvement of working conditions.

Another factor of the competition 'Employer - organiser of safe work' uniqueness is also the Golden List of Employers created by the National Labour Inspectorate in which the finalists are entered. It should be noted that, due to the diversity of workplaces in terms of the number of employees, the nature of production and the scale of problems related to labour protection, employers are evaluated in three categories, depending on the number of employees: up to 50, from 51 to 250 and over 250. However, despite the differences, all the winners become heroes of the Golden List of Employers.



Contrary to the common belief that only large, thriving companies can afford to invest in the health and safety of their employees, the competition of the National Labour Inspectorate proves that also small and medium enterprises have enough determination to provide their employees with the best possible conditions.

'Mecum Tutissimus Ibis', said Ovidius. And to these words, 'you'll be safest with me', refers the statuette awarded every year to the winners of the central stage of the competition. The decision on the prize award is made by the Chief Labour Inspector on request of the Competition Jury, formed by the jurors of the National Labour Inspectorate and representatives of the largest employers' organisations and trade unions.

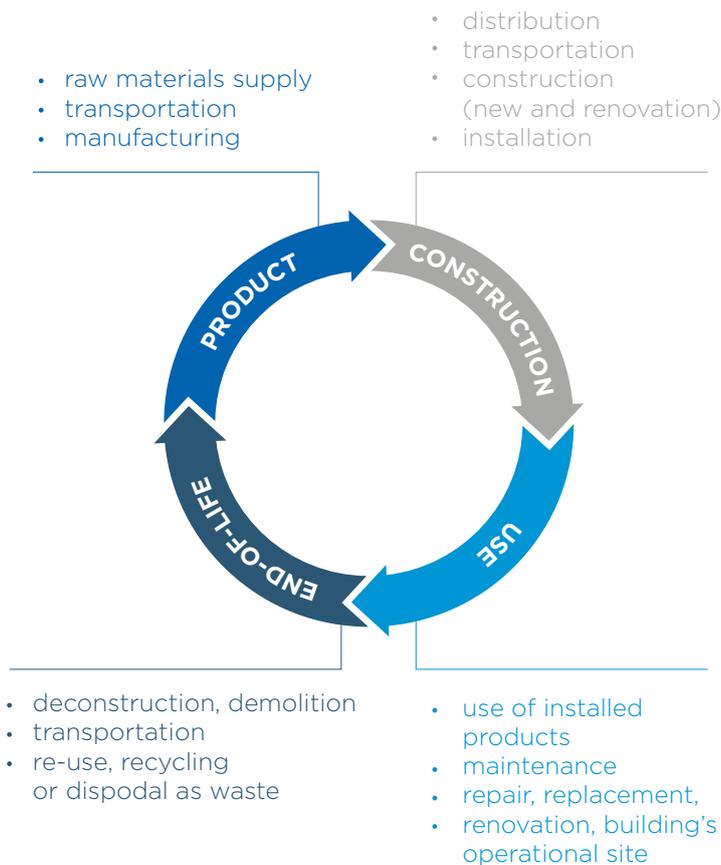
Environment

Environmental protection

Care about environment and rational use of the resources is a foundation of all our business decisions that result directly from our management model based on the concept of circular economy.

The system of environmental protection we have implemented is based on solid principles:

1. Compliance with law: the analysis of legal aspects of our business is carried out regularly by means of constant monitoring of changes in regulations. We confirm the effectiveness of our activities in this area and full compliance with the regulations. The compliance assessment audit conducted by an external company, EcoMS Consulting sp. z o.o., demonstrated full compliance with the Polish environmental protection law.





2. Activities based on the Standard ISO 14001:2015 is an international standard that sets standards for a system that ensures high environmental care. Our site holds certificate confirming effective and full implementation of this Standard.
3. Certification under the BES 6001 standard elaborated by

BRE (Building Research Establishment), a UK registered research organisation. This is a standard dedicated to manufacturers of construction products which defines the principles of responsible production (rational sourcing of raw materials for production, effective energy management, monitoring of greenhouse gases emission, effective waste management and reduction of the environmental impact of transport).

4. The activities of the Environment Pillar of the WCM (World Class Manufacturing) system which ensure that environmental protection is correctly managed in terms of ecology and compliance with law. Due to the work of Pillar members, areas of environmental risk are identified and projects eliminating negative factors are implemented. One of the tools supporting the Pillar are EMAT environmental audits.





EMAT Audits

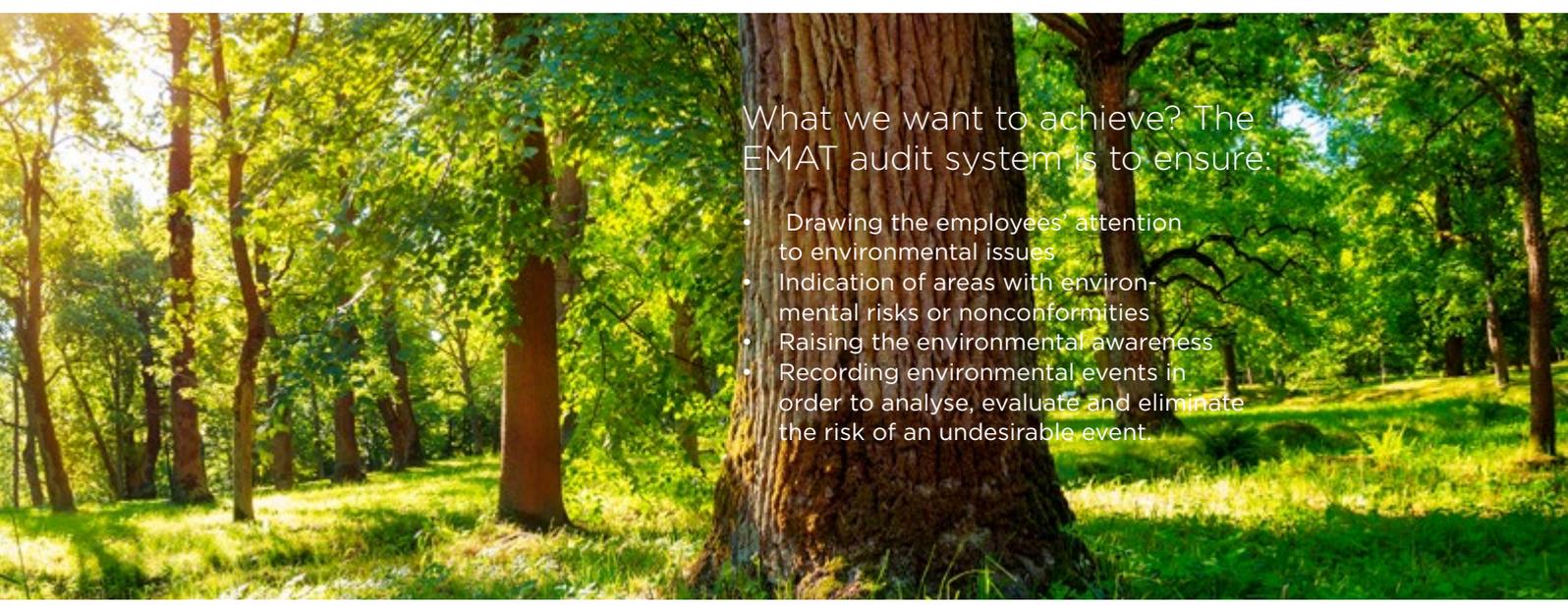
Methods of monitoring of the environmental protection management condition through EMAT audits result from the Environmental Events Management Standard implemented by the Saint-Gobain Group (our site included)

- The purpose of the Standard is to define methods for identifying, characterising, analysing and recording environmental events. One of these methods is EMAT.

What is EMAT?

EMAT is a visit to a workstation or specific area and a talk with employees about environmental issues.

In 2019, our employees carried out **46** EMAT audits.



What we want to achieve? The EMAT audit system is to ensure:

- Drawing the employees' attention to environmental issues
- Indication of areas with environmental risks or nonconformities
- Raising the environmental awareness
- Recording environmental events in order to analyse, evaluate and eliminate the risk of an undesirable event.

Water

Water is essential for life. Our planet is the only planet known by people where the life exists, and it is so basically because of the water.

It is true that the water resources are renewable and the 2/3 of Earth consist of water, only 1% of these resources is fresh, drinkable water.

returns to the environmental cycle, to the surface water in a nearby stream. However, before it reaches the river, its quality is controlled. The control is carried out by an accredited laboratory and the results are communicated to the state administration.

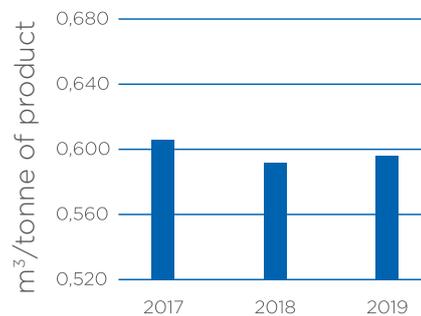
In our production processes we partly use mine water.

1 Our production processes use more than 1 mln m³ of water per year.

Huge amounts of drinkable water are used in production processes, including gypsum mining and gypsum products production.

Our production processes use more than 1 mln m³ of water per year. A significant amount of water is pumped out of the mine to enable mining processes. This water, not being degenerated,

Water consumption for production

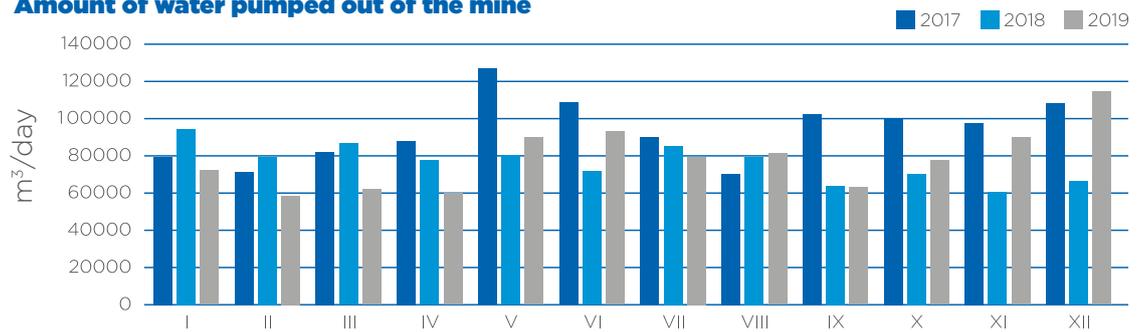


In 2019, we achieved a reduction of water consumption for the process by

0,51% (in comparison with standard plasterboard) in comparison with 2018.

This water is irretrievably used in our production, which is why our technologists constantly work to modify the production processes to reduce the use of process water.

Amount of water pumped out of the mine



On 22 March we celebrate
World Water Day.

For this reason, we organized for our employees a competition related to home water saving methods. We awarded the most inspiring ideas and we had the opportunity to share our good practices.

Waste management

There are two main objectives of waste management in our site:

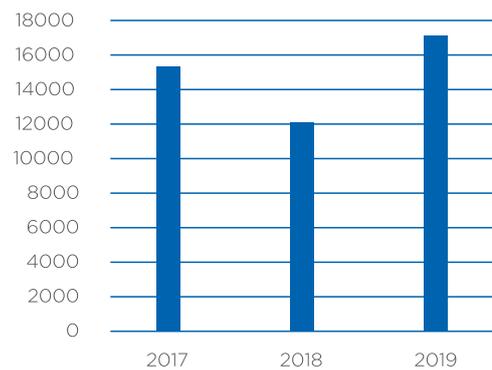
- reduction of waste production
- recycling of the produced waste

In 2019, we produced more waste than in previous years, which

was directly related to higher production. This resulted from gypsum waste which is produced during production processes. The more we produce, the more gypsum waste we generate. We recycle 100% of the gypsum waste, so it is not destined for landfill.

We reduced the amount of plastic waste - by 43%

Amount of produced waste [T]

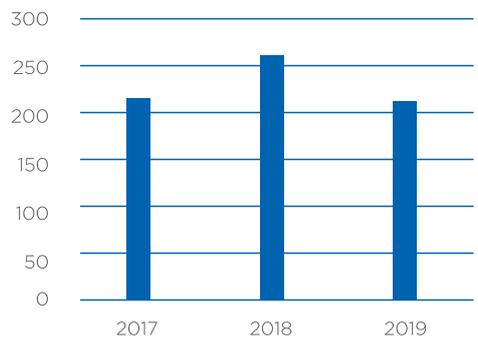


Almost **98%**

our waste is reused, only about 200 tons of waste per year are destined for landfill.



Amount of waste sent to landfill [T]



Our waste management activity is related not only to our production process. For many years and with increasingly better results, we have been collecting gypsum waste from the market.

The effectiveness of this process depends, to a large extent, on the engagement of our Customers, who more and more effectively segregate waste directly during construction works.

In 2019, the amount of waste we collected from our Customers was more than twice of the amount collected in the previous year

We believe that in the future gypsum waste will be one of the main secondary raw materials used by the construction industry.

Therefore, our biggest challenge concerning waste management, which we have established for the following years, is the development of the gypsum waste processing line. We strive to ensure that any amount of gypsum waste produced during construction works can be recycled.

Rigips is a member of Eurogypsum. Eurogypsum is the European organisation that represents the gypsum industry. Its main objective is to promote a sustainable environment, in particular by promoting solutions for the recycling of gypsum to be reprocessed.



Biodiversity

Our processes of mining and production of construction products have a huge impact on the ecosystem around us. That is why we pay special attention to the fauna and flora in the area around our factory.

Since 2018, we have applied the Biodiversity Policy with one primary objective:

prevention
better
than cure

The loss of biodiversity is the biggest threat to the proper functioning of the life on Earth.

On a daily basis, we adopt active protection measures that eliminate or stop the negative environmental impact of our activities to prevent the biodiversity of the surrounding nature loss.

One of them is the restoration of habitat conditions that enable proper functioning of ecosystems through forest stands planting on the areas where we have finished our mining operations.

In 2019, we planted 600 new trees: mainly oaks and birches.

Our another action was construction of a shelter for pollinating insects.

Environmental pollution, use of pesticides, the destruction of field trees and large-scale agriculture contribute to the decline in population of many species of insects. Among them are our little allies: insects that help in the fight against pests and pollinate the flowers so they can form

Common Blue





fruits. Predatory insects make a significant contribution to pest control. By limiting pest populations, they help to maintain environmental balance. Especially noteworthy are ladybugs, which mainly eat aphids and scales, goldsmiths, whose larvae also limit

the number of aphids, and robber flies, dragonflies and many other beetle species. Pollinating insects, thanks to which plants give fruits, are also our allies. Bees and bumblebees are the main pollinators.

Slender Scotch Burnet



Predatory insects have a significant impact on pest control.

By limiting pest populations, they help to maintain environmental balance.





Last year we also implemented initiatives that promote environmental protection among the local community. We organised a contest for the most beautiful bird feeder with the local primary school. The students who participated in the contest presented their works on our premises. The aim of the activity was to educate about ecology and to promote nature protection measures among children and their families. We believe that such initiatives form the basis of children responsibility for the environment condition.

All the feeders prepared by the children hung on the trees on the factory premises as a shelter for birds.

As a result of our efforts, also a large family of cats found a safe home. Cats live in two insulated kennels and receive balanced meals. They can also count on professional veterinary assistance.



Environmental Product Declarations (EPDs)

As part of our responsible business conduct, we study the environmental impact of our products throughout their entire life cycle.

That is why we conducted a Life Cycle Assessment (LCA) of our products. Life Cycle Assessment is the basis for issuing standardised International Environmental Product Declarations (EPDs) for Rigips products and systems.

Environmental EPDs are an important tool for implementing sustainable development principles in companies manufacturing building materials. They will enable the company to communicate its results in a standardised way.

From Rigips' point of view, the aim of the environmental declarations is to ensure fair competition and promotion of its products by publishing reliable and confirmed information about the products, and to reduce the environmental impact and costs of using natural resources.

Environmental product declarations (EPDs)

(Environmental Product Declaration are type III environmental declarations which are based on the LCA (Life Cycle Assessment) analysis.

An EPD specifies the environmental impact (emissions to the environment) and aspects such as energy and material consumption in the various stages of the product life cycle. The impact is expressed per product unit (e.g. tonne or m²). In our case it is 1 kg of Rigips PRO board or 1 kg of Rigips Rigiroc block. The environmental impacts are presented in a form that facilitates product comparison.

Life Cycle Assessment

(LCA) is an environmental method of process or product assessment throughout its life cycle. Rigips Environmental Declarations cover the entire life cycle of the given product "from cradle to grave", thus analysing all possible environmental impacts of the process or product - starting from the sourcing of raw materials, through transport, manufacturing, use and maintenance, and ending up with possible recycling.

1. Raw material extraction

Gypsum is a non-flammable material that consists in about 20% of chemically bound crystal water. Gypsum can absorb and release moisture, depending on the conditions in the room. RIGIPS has its own mine, which sources natural gypsum for the production of plasterboards and gypsum blocks.



2. Manufacturing

The Rigips-Stawiany factory is located in Szarbków near Pińczów. In the factory, only environmentally friendly materials provided by certified suppliers are used. 100% of the paper used to make plasterboard is recycled. All the waste generated in the production process is reused. 3% of the processed gypsum goes back into production.



Product
life
cycle

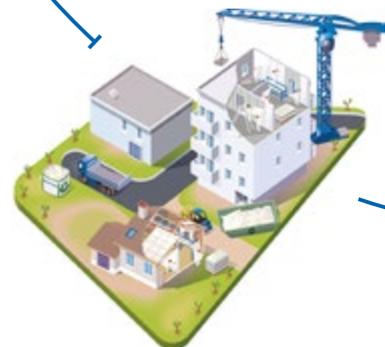
3. Transport

Materials are transported to the customers using means of transport that minimize their negative impact on the environment. Plasterboard is very light compared to traditional ceramic building materials.



4. Assembly

Plasterboard structures have measurable advantages over traditional solid constructions. A plasterboard wall is on average about 10 times lighter than a traditional masonry wall. This makes vertical and horizontal transport on site faster and more efficient.





Impact on environment



7. Recycling

The collection and recycling programme “Collect and sort with RIGIPS” (“Zbieraj i sortuj z RIGIPS”) has been running for many years. Gypsum waste is put into specially marked packages, delivered and collected by Rigips, then it is properly prepared and reused in the production process. These actions meet the current and future European Union requirements.



6. Demolition

Plasterboard structures can be easily demolished. Gypsum waste can be reprocessed and recycled.



5. Operation

Thanks to the hygroscopic properties of gypsum, plasterboards, ceiling tiles and gypsum blocks have the ability to regulate the humidity in the air, which has a positive impact on the climatic and sanitary conditions in their surroundings. Gypsum building materials are not dusty, do not emit odours, do not contain hazardous fibres and do not emit any compounds considered dangerous or toxic. In addition, plasterboards manufactured using ActivAir technology have the ability to reduce formaldehyde levels in the air by up to 80%. Plasterboard structures have a wide range of acoustic properties, both in terms of sound absorption and acoustic insulation. Their proper selection allows for conscious adjusting of the room acoustics.

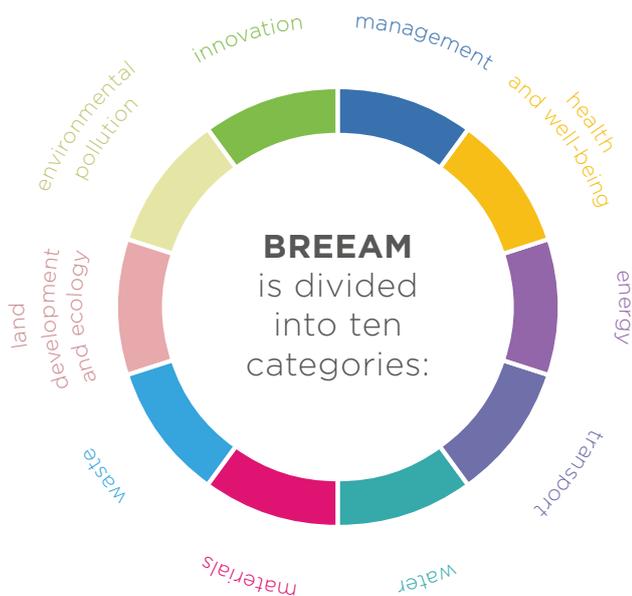
At each of these stages, natural resources are used, energy is consumed and pollution is generated. This means that the process has an environmental impact, which does not always have an eco-friendly effect. The Rigips environmental declarations, drawn up on the basis of the analysis, contain a set of reliable and quantified values by which the environmental impact of a given construction product is estimated.

Rigips has six type III environmental product declarations:

- gypsum, anhydrite and Stucco plaster (bulk products);
- Rigips PRO and Rigips 4 PRO plasterboards;
- Gypsum boards for suspended ceilings;
- Rigiroc™ gypsum blocks;
- Gyptone Point 80 gypsum tiles for suspended ceilings;
- Rigips systems with Rigips PRO and Rigips 4 PRO plasterboards
 - lightweight partitions, shaft walls, wall linings, suspended ceilings, ceiling linings, attic linings.

BREEAM

(LCA) Building Research Establishment's Environmental Assessment Method

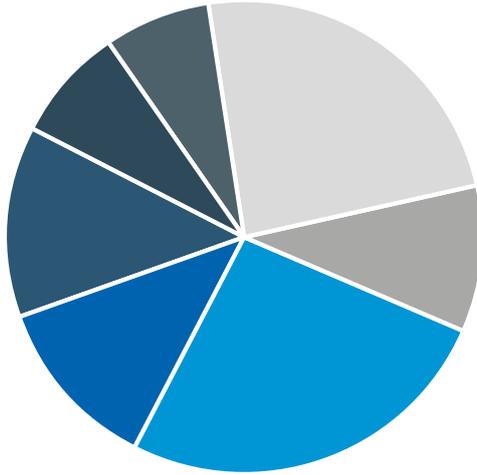


is a system for assessing buildings in terms of green building and sustainability standards, developed in the UK.

Rigips has an impact on the scoring of a certified facility in the sixth category - materials.

LEED v4

Evaluation criteria in each LEED category



- sustainable sites
- water efficiency
- use of energy and atmosphere
- use of materials and resources
- indoor environmental quality
- innovation in design
- regional priority

LEED certification has been developed by committees of the US Green Building Council in order to establish

national standards for the so-called “green building”.

Rigips has an impact on the scoring of a certified facility in the third category - Use of materials and resources.



Energy

Energy management

According to the forecasts of the International Energy Agency (IEA), by the mid-21st century energy consumption may have increased by up to 50%. Still the world's largest energy sources are oil, coal and natural gas. These are non-renewable energy sources, their use is much faster than their replenishment, and obtaining raw materials to produce energy from these sources has a negative impact on the environment. An alternative to the non-renewable energy sources are renewable sources. These sources will never be exhausted, and energy production from such sources does not pollute the environment.

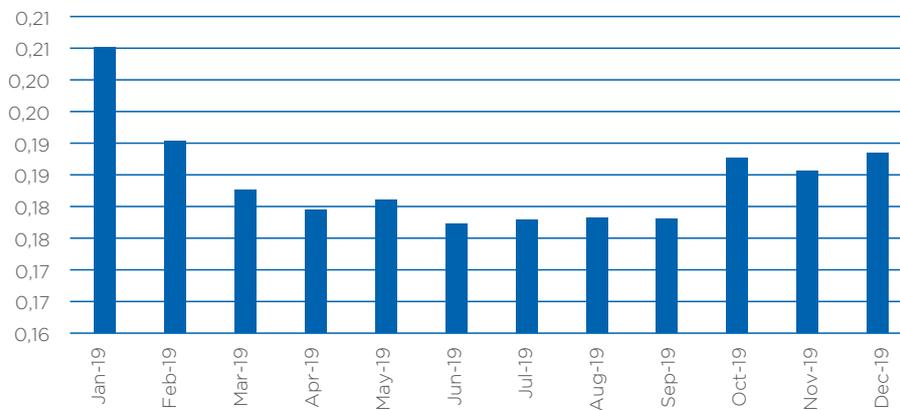
Rational energy management, achieved by striving to use as little energy as possible or replace non-renewable sources with renewable ones, is a very important part of our strategy.

That is why we have been implementing an energy management programme at our plant for many years. This programme is based primarily on the requirements of the ISO 50001 standard, which we implemented in 2017.

The ISO 50001 system is in line with the objectives of the WCM Environment Pillar. All processes related to energy consumption are managed by a dynamic Energy Team established under the Environment Pillar. They are the ones who monitor energy consumption on a daily basis, analyse indicators,



**Total emission factor per production unit
[tCO₂/t plaster]**





plan modernisations and carry out projects that improve the energy efficiency of processes.

In 2019 the Energy Team, consisting of engineering and technology specialists, carried out a number of projects to reduce gas and electricity:

- recovery of residual heat from a coal-milling plant. Thanks to their ingenuity and commitment, the project will provide a 1% gas consumption reduction in the dryer and support in the form of white certificates;
- modernisation of outdoor lighting through the use of ecological LED lamps and smart control. The project covered the entire plant site and reduced the electricity consumption of the outdoor lighting as well as improved the safety at the freight yards.
- Optimisation of electric drives by replacing their old motors with high-performance IE4-class motors.
- Optimisation of the plant's heating system – as part of the project, high-performance circulating pumps with variable speed were installed, which reduced the electricity consumption in the boiler room by 30%.

High-performance circulating pumps with variable speed have reduced the electricity consumption in the boiler room

by 30%



Carbon Dioxide Emissions

Carbon dioxide is a so-called greenhouse gas that is naturally present in our atmosphere, but as a result of human activity, its concentration is constantly increasing, contributing to climate change.

The largest source of carbon dioxide emissions is the combustion of fossil fuels (oil, coal and natural gas).

Our plant also emits carbon dioxide, mainly due to the combustion of natural gas used in production processes.

We are aware of the dangers of increasing carbon dioxide concentration in the atmosphere.

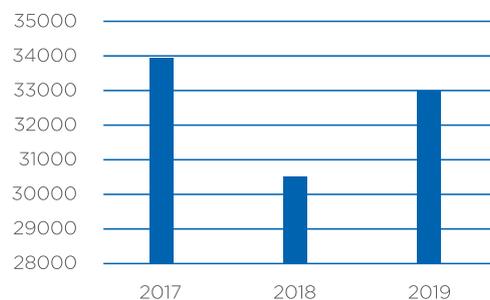
Therefore, by implementing measures to reduce energy consumption, we lower our carbon dioxide emissions into the atmosphere.

Our activities are not limited to the reduction of direct emissions from the combustion of natural gas.

In 2019 we purchased a new drilling rig. Thanks to its much higher efficiency, we have reduced the oil consumption per linear metre of the borehole drilled by 18%.

As a result of this exchange, we have reduced indirect emissions by 5.5 tons per year.

Direct emission [T]



Transport



SUSTAINABLE TRANSPORT POLICY

Rigips aims at reducing the environmental impact of the transport carried out as part of its activities, including energy consumption, greenhouse gas emissions, water and soil pollution and noise.

In connection with the above, the Management Board of Saint - Gobain Construction Products Polska Branch in Szarbków undertakes to:

- Ensure the safety of its employees and suppliers staying on the premises of the plant and performing tasks related to the preparation and transport of cargo, as well as during business trips;
- Take measures aimed at reducing the length of transport routes, the amount of cargo transported and the environmental impact of the transport carried out as part of its activities;
- Implement solutions contributing to the reduction of energy consumption, costs of use and emissions from the car fleet, including the introduction of recommendations concerning the parameters of owned and purchased vehicles;
- Encourage all its employees to use environmentally friendly means of transport, also while travelling together on business trips;
- Avoid unnecessary travel by using remote communication (telephone calls, video conferences, teleconferences, etc.);
- Undertake educational activities and promote safe and ecological driving among its employees;
- Undertake information activities for its employees and local communities.

Szarbków, 05/05/2017.

Maciej Kuczyński
Chief Executive Officer at RIGIPS





Optimisation of the Product Distribution

Transport of goods is essential for the functioning of every company. However, the negative effects of environmentally harmful transport are undisputed. Car exhaust fumes are much more harmful to people than industrial pollution. Exhaust fumes spread in high concentrations at low altitudes in the immediate vicinity of people.

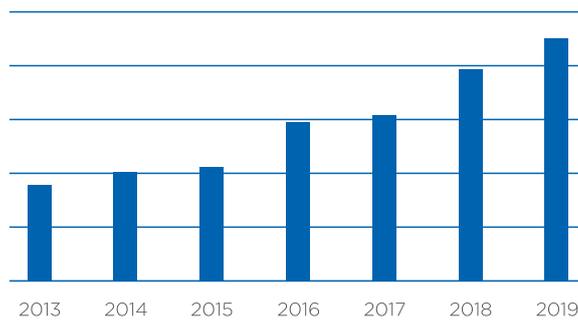
Approx. 10%

of the controlled emission of pollutants into the atmosphere is caused by road transport.

For the sake of reducing emissions, our employees carefully analyse the details of transport such as: packaging goods, choice of means of transport, places of unloading and of course the route itself.

We regularly monitor the indicators for the average route length, the use of available loading space, the number of unloading places. Each year the average tonnage of a large car load is getting more and more optimal.

Average tonnage of a large car (tonne/car)



Monitoring of Important Transport-Related Environmental Aspects

Road transport causes about 10% of the controlled emissions of pollutants into the atmosphere. It is a source of nitrogen oxides, carbon oxides, hydrocarbons, heavy metals, primary and secondary emissions. For this reason, we regularly monitor significant environmental aspects related to the transport of raw materials, trade goods and finished products. The substances that are monitored are selected compounds causing the emission of pollutants to air, water and soil: nitrogen

oxides (NO_x), methane (CH_4), volatile organic compounds (VOC), carbon monoxide (CO), nitrous oxide (N_2O), carbon dioxide (CO_2). The transport-related reduction target we adopted is a 10% change of the emission result index of the above substances per tonne of goods sold by 2020 compared to the reference year 2015.

The emission result index of the air polluting substances per tonne sold has changed by 10% by 2020 compared to 2015.



10%

Electric Forklifts in the Rigips Warehouse

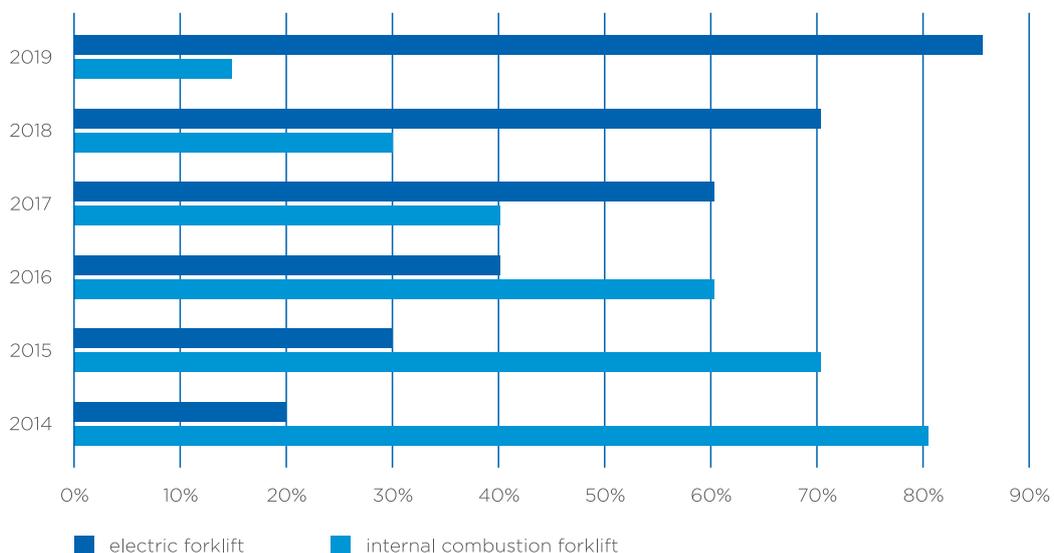
For several years now, we have been successively changing our

forklift trucks, used for loading cars, from internal combustion to electric. Electric forklifts work much more quietly than internal combustion forklifts, which results in overall greater comfort and efficiency of storage. They guarantee very low emission of CO₂ and particulate pollutants.

In 2019, thanks to another investment, 80% of the forklift trucks in our warehouse were electric.



Forklifts used at Rigips





Example of gypsum strip packaging

Sustainable Packaging Material Management

Most goods need to be properly prepared and packed in order to be safely delivered to the customer.

In our company, we mainly use wooden pallets, wooden scantlings, hand and machine stretch film and PET tape.

We attach particular importance to the responsible management of packaging materials and carry out a number of projects aimed at reducing their consumption.

Wooden pallets - plasterboards are transported on reusable GKP pallets.

The pallets are collected from our customers and reused. The life cycle of one pallet is up to five deliveries.

In 2019 we achieved a significant reduction in the use of packaging materials:

- Purchase of new pallets - 37%;
- Consumption of hand and machine stretch film and plastic pallet covers per m² of board - 3.8%.

Gypsum strips and wooden scantlings - this way of packing reduces wood consumption. Wooden scantlings or gypsum strips are recyclable packaging materials. Using this system reduces the number of pallet transports to our factory. The consumption of gypsum strips and wooden scantlings per m² of board increased by 12% in 2019 compared to 2018.

Pakowanie płyt na paskach gipsowych

INSTRUKCJA ROZŁADUNKU I ZAŁADUNKU PŁYT

KORZYŚCI:

- ✓ nawet 1 000 zł w dostawie ciekawych/hodowej (14 pkt) - na zamrażacz promienny
- ✓ oszczędzasz czas i pieniądze - nie musisz odśnieżać, segregować i składować palet
- ✓ oszczędzasz nawet do 0,40 zł/m² płyty (koszt palety 80 zł netto do do 2000 m² płyt) - nie musisz składować lub segregować palety
- ✓ korzystasz z większej ładowności auta - zwiększa wagę dzięki paskom gipsowym
- ✓ idealnie rozwiązano w obsłudze niewielkiej ilości dostaw bezpośrednich na budowę

Zamień palety na paski gipsowe!

Oferta płyt pakowanych na paskach gipsowych na stronach 9-10

People: our most valuable resource

Employees

Rigips employs over 200 people. The company is constantly improving and creating a friendly and motivational working environment to best meet the needs of its employees and co-workers.

Benefits for the employee

Rigips employees receive supplementary benefits funded by the employer.

In 2019, they included, among others:

- Healthcare,
- Group life insurance,
- Multisport card.

In addition, once a year, the company's employees have the opportunity to purchase shares of the Saint-Gobain Group.

Rigips employer and employees awarded with a prize

Last year, Rigips topped the "Employer – Organizer of Safe Work" competition at the level of the Regional Work Inspectorate in Kielce for employers with 51 to 250 employees. This prestigious competition was not only a chance to win a prize, but above all, it is a motivation for further development of the company towards continuous monitoring and improvement of working conditions.

Diversity and equal opportunities

Rigips places great emphasis on treating all its employees fairly and respecting the work they do. The company is serious about balancing the effectiveness of human capital management processes with stable development and high ethical standards. Rigips has internal and corporate mechanisms to signal unethical or illegal behaviour and issues related to organisation integrity.



In 2019, our employees participated in more than 8,000 training hours, an increase by more than

22%

Development

We believe that continuous motivation for self-development is beneficial both for the developing individual and for their closer and wider surroundings, and finally, for the entire organisation. Therefore, we make every effort to ensure that our employees, through participation in development projects, improve their professional and personal potential. Our training programs are always aimed at developing strictly professional competences as well as interpersonal and social skills focused on building mutual trust in the team, effective communication and, last but not least, modern management skills.

In 2019, our employees participated in more than 8,000 training hours, an increase by more than 22% in comparison to the previous year. There is still much more interest in on-site training, whose undoubted advantage is the possibility of creating a social interaction with the trainer and other participants.

It is worth noting that in 2019 Rigips launched a new development programme – Rigips College – aimed at sharing knowledge and experience within the organisation. During the 47 workshop sessions, 22 different internal training topics were implemented. Nearly 90% of the employees participated in at least one such event.

Opinion poll 2019

We are convinced that effective and open communication is one of the sources of organizational success, and therefore, regularly, every year, we invite all employees to share their opinions about working at Rigips. The satisfaction questionnaire is anonymous and

encourages the employees to speak honestly, in a way that is comfortable for them, about important aspects concerning our company.

The survey results are publicly available via internal communication channels, and then used to influence future business processes and involve the employees in current business activity.

In this year's opinion poll conducted in late autumn, we maintained high attendance, i.e. at 87%. The general employee engagement rate was also high, i.e. amounted to 78% (percentage of persons answering "I agree" or "I definitely agree"). The next opinion poll is planned for autumn 2020.

As a result of an analysis of the employee opinion poll, in 2020 we decided to focus on developing a culture of openness and innovation, as well as a modern leadership model. We are also encouraging our employees to discuss the possibility of increasing the effectiveness of our work and participate in the creation of a culture supporting the improvement of employee and business potential.



Dialogue builds cooperation

In addition to the Saint-Gobain Group's intranet, there is also the Saint-Gobain Construction Products Polska's local intranet and the quarterly employee newsletter Skyline, where Rigips employees can find all the necessary information and news.

We organise periodic meetings with superiors. In addition, we have also introduced quarterly meetings with the CEO and management of Rigips, known as "Team Briefings". All employees of the company are invited to attend, and in this way they can get acquainted with the current activities in the whole company and ask any questions they might have.

Business Ethics

Every day we pay attention to ethical conduct in employment – we value professional commitment, respect for diversity and employee rights. At the same time we do not accept any violation of legal regulations or conscious use of possible loopholes or lack of regulations in order to circumvent the practices in force in the Group.

We have also undertaken to absolutely observe the following principles: not using forced and children labour – directly or via subcontractors, and refraining from any discriminatory practices against our employees, including at the stage of recruitment, conclusion of contracts of employment, their performance, and after the termination of the contracts.



Rigips Picnic

We regularly organize integration events for our employees. We try to make sure that they are varied and adapted to the current expectations of our team. In 2019, we organized a family picnic on the factory premises, to which we invited our employees and subcontractors together with their families. All in all, over 400 people took part in the picnic. The motto of the event was "Colourful summer"; thanks to the wonderful summer weather it fully reflected the atmosphere at the picnic. The numerous employees and their families could take advantage of many attractions for

children and adults. Among others, we have prepared special relaxation zones and lots of fun for the youngest, and for the older ones too. Of course, there was also delicious food.

Integration meetings are very popular among our employees, they help to build lasting relationships and strengthen the bonds within our Rigips team.





Each of the guests received, apart from positive emotions, a commemorative photo from the photo booth.

Charitable Activities

From the very beginning of its activity, Rigips has been actively involved in various charity and social campaigns. We support them because we believe that our help may improve the lives of many people.

The status of Rigips includes activities for the local communities, which together with us shape the reality that surrounds us.

In 2019 we supported
over 20
 charitable
 initiatives.

In accordance with the above, in 2019 we supported the "Kubuś" kindergarten in Szarbków. We also actively support the fire brigade in Chruścice, for example by financing their uniforms in 2019 or by sponsoring the organization of the Children's Day and the "Christmas tree" for children from this village.

We are also a sponsor of prizes for children and adults awarded at artistic and sporting events, such as the Girls' and Boys' Handball Festival in Busko-Zdrój, the Provincial Police Day Celebration, and the "Youth Prevents Fire" and "Monuments of our Region" competitions.

We were the main sponsor and organizer of the competition for the most beautiful bird feeder made by children from the school in Gartatowice. A committee consisting of Rigips employees not only selected the most beautiful works, but also organized a tour around the factory and mine for the children. The feeders have been hung on trees on the factory premises; they already have their inhabitants.





We participate actively in events organised by the commune or district; in this way we support the local community in the promotion of our region and show the possibilities of cooperation and development, not just on a local scale. The support has been provided, among other things, to the Pińczów District Harvest Festival, the Chmielnik District Harvest Festival and the Jazz All Souls' Day in the Local Government Centre of Culture in Pińczów.

Thanks to our financial support, the fire brigade in Pińczów has received a new pump for people from the district whose households are flooded by water.

Taking advantage of the opportunities offered by the profile of our activity, we have donated gypsum building materials for, among others: the construction of the parish house in Cierchy, the renovation of the Primary School and Public Kindergarten in Szaniec, the renovation of the village club in Janów and helping people affected by a fire to rebuild their attic.

We have also provided financial support for: "Teatr za jeden uśmiech" ("Theatre for one smile") from Krakow, subsidizing the organization of performances for children from the Department of Haematology and Oncology of the Children's Hospital in Kielce and local organizations such as the "Seniorita" senior club from Pińczów or the "AMAZONKI" club from the Świętokrzyskie voivodship, branch in Pińczów.

In the years 2019/2020, we started to cooperate with educational institutions in the field of young people's education in the Vocational School in the faculties and specialties resulting from the current and prospective needs of our plant. Learning materials for students were handed over to the School Complex No. 4 in Olkusz and the Complex of Secondary Technical and Academic Schools in Busko-Zdrój. In the year 2020, we are planning to continue supporting local educational institutions with materials necessary for learning.



World-class Manufacturing

In order to continuously improve our operational results, remain competitive and meet the requirements of our customers, like every organization in the Saint-Gobain Group, we improve our processes on the basis of the World Class Manufacturing (WCM) model.

In line with the WCM philosophy, sustainable and long-term success is ensured by the commitment of all employees to systematically identify losses and eliminate them in a targeted manner in order to achieve the "0" level - zero accidents, injuries and occupational diseases, zero environmental events, zero unused waste, zero breakdowns, zero quality defects, zero complaints.

We achieve our goals primarily through the knowledge, skills, experience, ingenuity and creativity of our operators, mechanics, electricians, managers and executives, while providing them with appropriate tools and access to practical training.



Through personal involvement in the implementation of projects and the improvement of processes, each member of our team contributes to the elimination of losses and the implementation of the company strategy outlined in the 8 pillars of WCM:

1. Health and Safety,
2. Environmental Protection and Risk Prevention,
3. Industrial Reliability,
4. Industrial Efficiency,
5. Quality Control and Process Control,
6. Focus on the Customer and Service,
7. People Development,
8. Innovation and Improvement.



Thanks to the adoption of the WCM philosophy, we are on a journey which has created in us a need for continuous development. The maintenance and continuous improvement of the WCM system, verified by internal coaching audits and external “checklist” audits, was awarded the WCM Silver Medal in 2018. This award, in addition to confirming the continuous improvement of our operational performance, is a reflection of our customers’ satisfaction.

In the spirit of digitisation, we have moved the pillar team boards, on which we follow the implementation of specific KPIs (e.g. employee involvement in health and safety, CSI - Customer Service Index, energy consumption, waste amounts), to a digital environment, the so-called OnBoard.



Additionally, we report our savings projects as one of the pilot factories in Project Tracker. This facilitates our communication, everyday cooperation and benchmarking with other businesses in the Saint-Gobain Group.





Resource Use Policy

At Rigips, we understand efficient management as the sustainable management of available resources, including energy, water and raw materials, taking into account the need to reduce the environmental impact of their use.

We have therefore committed to respect the following principles:

- Avoiding the use of resources that are not essential to the business;
- The pursuit of saving energy, raw materials and water;
- Using raw materials as efficiently as possible, by increasing the efficiency of the processes, using materials of the highest quality and seeking solutions to reduce our demand for raw materials;
- Prioritising renewable resources and minimising the use of non-renewable resources;
- Implementing non-waste technologies which use waste materials or allow for subsequent recycling of waste – complying with the adopted waste management hierarchy, which includes avoidance of landfilling and aiming to reuse and recycle as much of the produced waste as possible;
- Avoiding the pollution of resources which thus lose their basic properties or become lower quality resources;
- Reducing the impact on water, both in terms of quality and quantity, in the process of water intake and discharge;
- Monitoring and reporting, and pursuing the achievement of the objectives set for the management of resources and raw materials;
- Undertaking appropriate information actions in terms of the measures adopted and results achieved in the area of resource efficiency.

Paper

In accordance with our resource use policy, we require our suppliers to supply us with raw materials whose obtaining does not significantly affect the environment. One of the most important raw materials we use is paper.

Our environmental awareness has contributed to our cooperation with suppliers who guarantee that their paper comes from recycling.

According to our suppliers' declarations, almost 100% of the paper used to produce Rigips plasterboards comes from post-consumer material.

100%

of the paper used to produce Rigips plasterboards comes from post-consumer material.



FSC pallets

Rigips has a well-developed and documented wood trading policy, which we require our suppliers to strictly comply with. This policy refers to the purchase of wood only from certified sources that comply with the requirements of responsible forest management, i.e. with the FSC and PEFC certification.*

The FSC certificate is a system supported by environmental NGOs: WWF and Greenpeace. FSC prohibits illegal logging, deforestation of certified areas and forest degradation. Thanks to this certificate, we have an impact on the protection of forest ecosystems, which translates into less contribution to climate change.

The PEFC declaration refers to products containing forest-based raw materials and provides information on the origin of these products being sustainably managed forests, recycling and other lawful sources.



**What is FSC and PEFC?*

FSC (Forest Stewardship Council) and PEFC (Programme for the Endorsement of Forest Certification) - signs awarded to goods made from wood. They are a guarantee that the raw material from which they are produced does not come from areas where over-exploitation of forests takes place. The FSC and PEFC logos mean that the product has been made from raw materials from certified forest areas that meet social, environmental and economic standards.



Innovation

Technological Process

We ensure the development of our technological process on many levels, such as improving work ergonomics, reduction of factors that have negative health effects and minimising energy consumption. By promoting a preventive approach to defects and faults, we contribute to the minimisation of the waste amount generated in the production process. The waste that has been generated is recycled.

We have been working actively on increasing the quantity of recycled gypsum through the appropriate selection of materials and process parameters. We develop our activities thanks to cooperation with the main R&D Center of the Saint-Gobain Group and scientific entities such as the AGH University of Science and Technology. In 2019, we also expanded our research competence in the analysis of spackles and gypsum based adhesives. By modernising the production process and raw material base, we are able to produce new types and kinds of boards, adjusting the offer to the customer's requirements.

Constant improvement of the technological process allows us to obtain the highest quality of products, which is proved by the number of complaints submitted by our customers. In 2019, we obtained a certificate confirming the adjustment of our system to the requirements



of the new ISO standard 9001:2015 “Quality management systems – Requirements”.

This standard has many aspects and requirements that are similar to the ISO 14001:2015 standard.





New Products

Rigips belongs to the global Saint-Gobain Group, one of the 100 most innovative companies in the world. Our products can be found everywhere we live and spend our time every day. They provide comfort, durability and safety, addressing the challenges of our times, such as green building, resource efficiency and counteracting climate change.

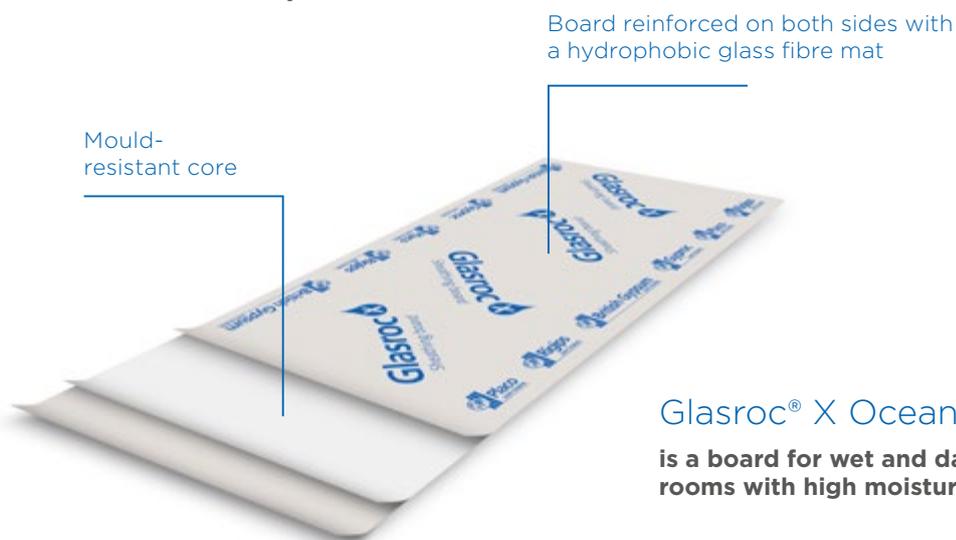
As an innovative company and an expert in interior drywall systems, we introduce new products and solutions to the market every year.

The Glasroc® X Ocean gypsum board and Ultrastil® Hydroprofil profiles – solutions for rooms with wet facilities

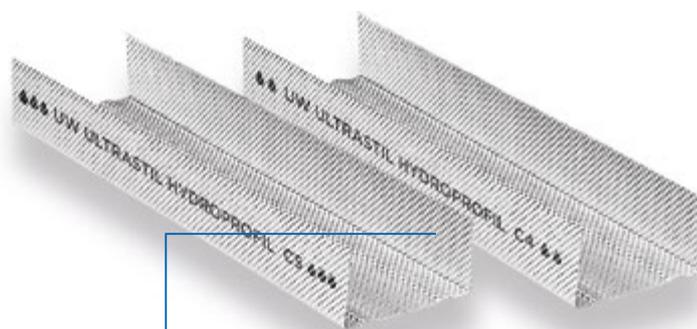
Glasroc® X Ocean is a gypsum board reinforced on both sides with an innovative hydrophobic glass fibre mat, which makes waterproofing of the entire board surface unnecessary.

Thanks to a special technology of bonding gypsum to the glass fibre mat, the board is resistant to loads. The fibres are partly embedded in the mat and partly in gypsum, which results in a highly monolithic structure of the board and resistance to loads. It is possible to apply ceramic tiles with a weight of 60kg/m² without the risk of the gypsum debonding from the mat, even in case of single panelling. Additionally, the external coating of the board is hydrophobic and does not require additional sub-board waterproofing. When installing the plasterboard and using Rigips' Promix Hydro and Mold-H Hydro Mesh on the joints, sub-board waterproofing does not have to be applied; we only protect the corners of the room and the wall-to-floor connections with cuffs and liquid film.

Thanks to the reduced starch content, there is no risk of mould inside the gypsum structure or on its surface. The mat is covered with a highly reflective UV-resistant coating, which means that exposure to the sun does not result in discolouration or destruction of the board.



Glasroc® X Ocean
is a board for wet and damp rooms with high moisture stress.



The ZM310 coating provides a high level of surface and cutting edge protection against corrosion

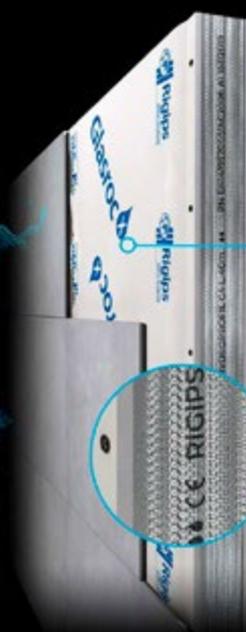
Rigips Ultrastil® Hydroprofil C4/C5 for wet rooms

At higher humidity or in rooms requiring better anti-corrosive protection for safety and long life, Rigips profiles and accessories meeting the requirements of C3, C4 and C5 corrosion classes are used.

Rigips Ultrastil® Hydroprofil C4/C5 corrugated profiles are recommended for use in rooms requiring increased anti-corrosive protection. The ZM310 metallic coating on the profile provides a high level of surface and cutting edge protection, even in extremely hostile environments.

NOWOŚĆ!

Innowacyjna siła ochrony pomieszczeń mokrych



IDEALNY DUET
DO POMIESZCZEŃ MOKRYCH

PŁYTA **Glasroc® Ocean**

Płyta jest obustronnie wzmocniona matą z włókna szklanego. Hydrofobowa mata zapewnia ochronę przed pleśnią – nawet na basenach – bez potrzeby stosowania dodatkowej warstwy hydroizolacji. Duża wytrzymałość konstrukcyjna pozwala na budowanie ścian z pojedynczym płytowaniem.

PROFIL
ULTRASTIL® HYDROPROFIL
z klasą korozyjności C4

Profil pokryty jest wyjątkową powłoką metaliczną ZM310, która stanowi przełom w ochronie przed korozją. Dzięki zjawisku samoregeneracji powłoka zapewnia również ochronę krawędzi powstających podczas cięcia profilu.



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