GEBERIT

KNOW-HOW

CUSTOMER MAGAZINE
AUTUMN 2025

BLACKWOOD HOUSE
REFERENCE PROJECT

GEBERIT PLUVIA TRANSFORMS LUXURY HOME

GEBERIT SIGMA50 ROUND

NEW NAME EXTENSIVE RANGE

ON THE COVER
Geberit Sigma70 in Black featured in the luxury Blackwood House Reference Project.

CONCEPT/DESIGN/REALISATION
Linkgroup AG, Zurich
www.linkgroup.ch
Credit: Alyne Media Cover, pp 22 & 23
Photography Credit: Page 4 Maree Homer,
Page 5 Jen Wilding

Frances Ngo
Managing Director

DEAR CUSTOMERS,

I invite you to delve into the latest innovations in bathroom design, sustainability, and digitalisation, all reflecting Geberit's dedication to excellence.

This issue highlights two remarkable case studies. In the Blackwood Project, our Geberit Pluvia siphonic roof drainage system has contributed to the creation of a truly luxurious home. Meanwhile, the Glenlyon House Case Study showcases how we blend functionality and elegance within a heritage setting, reflecting our commitment to style and practicality.

You'll also discover our newly updated flush button range, including the Sigma50 Round, previously known as Sigma21. This renaming is part of our effort to make selecting the right button easier and more intuitive for every bathroom design.

Additionally, discover how A.I. is transforming the future of building design.

We hope this magazine offers you valuable insights into Geberit's world and inspires you to explore the endless possibilities of our products and solutions.

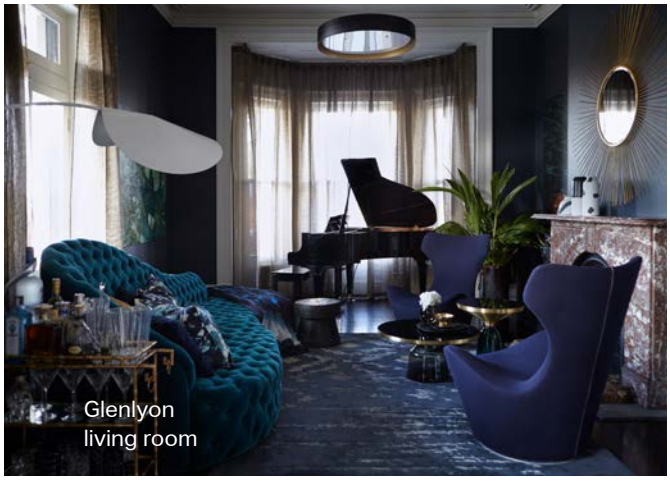
Wishing you an engaging and informative read.

Geberit Sigma80 Smoked Reflective installed in the opulent Glenlyon House

GLENLYON HOUSE

A BLEND OF **HERITAGE AND MODERNITY**

Strict regulations made designing a project like Glenlyon House in Brisbane with its modern conveniences a challenge. When it came to convenience, the Geberit Sigma80 Touchless Button made quite a difference.



PROJECT OVERVIEW
Glenlyon House, a heritage-listed property in Brisbane, required a careful balance between historical preservation and modern living. Interior designer Louise Walsh of LWID restored the 1800s home to its original grandeur, while seamlessly incorporating contemporary amenities. Her design philosophy, creating personalised spaces that connect occupants to their surroundings, was key in maintaining the home's historical integrity while introducing modern functionality.

DESIGN PHILOSOPHY AND APPROACH
Louise's approach at Glenlyon House focused on preserving the property's heritage charm while enhancing the homeowners' modern lifestyle. Her personalised design process delved into the clients' stories and needs, ensuring that the design not only reflected the historical significance of the home but also improved daily living.

CHALLENGES
The primary challenge in working with a heritage-listed property like Glenlyon House was complying with strict regulations while introducing modern conveniences. Louise expertly integrated Geberit's Sigma8 concealed cistern and Sigma80 Touchless Button, allowing for sleek, modern functionality without detracting from the property's historical elements. The minimalist design of the concealed cistern preserved the visual integrity of the bathrooms, while the touchless button added modern convenience and user-friendly operation in keeping with the home's refined aesthetic.

SOLUTIONS
Geberit's products were essential to the success of the project. The Sigma8 concealed cistern provided a discreet, efficient solution, enabling the architectural details of the bathroom to take centre stage. The Sigma80 Touchless Button introduced hygienic and sophisticated functionality, complementing the bathroom's modern finishes such as large format tiles and dimension stone. Louise commented, "The Sigma80 Touchless Button was the perfect choice for Glenlyon House. Its sleek design and intuitive operation provided the modern functionality my clients wanted without compromising the historical integrity of the space."

COLLABORATION AND CUSTOMISATION
Collaboration with both homeowners and tradespeople was critical to the project's success. Louise tailored the selection and installation of Geberit products to meet the specific needs of the heritage-listed home, ensuring a smooth integration process that maintained the aesthetics and functionality across all bathroom surfaces.

A TIMELESS AND RELIABLE DESIGN
Durability and reliability were key factors in choosing Geberit products. Glenlyon House demanded fixtures that could endure daily use while retaining their visual appeal over time. Geberit's reputation for quality ensured that the design would not only meet immediate needs but also provide long-term value, contributing to the lasting success of the renovation.

The Glenlyon House project exemplifies Louise Walsh's ability to marry historical preservation with modern living. By thoughtfully integrating Geberit's Sigma8 concealed cistern and Sigma80 Touchless Button, she created bathrooms that respect the home's heritage while providing contemporary functionality. The result is a harmonious blend of past and present – where timeless design meets modern convenience.

Photography: Maree Homer, Jen Wilding

↑

Like its close relative – SIGMA50 SQUARE – they feature high quality materials and are made in Switzerland.

GEBERIT ACTUATOR PLATE SIGMA50 ROUND

THE GEM

The family of actuator plates with round flush buttons has new additions and a new name: formally known as “SIGMA21”, the “SIGMA50 ROUND” range features a wide range of colours and materials including glass, metal, ceramic and stone.

↑

The Geberit flush button Sigma50 round with glass surface is available in the black & white with design rings in brass, black chrome, chrome & red gold. The slate version uses a Brazilian slate with particularly fine veins.

Among Geberit’s comprehensive range of actuator plates, there is something for everyone’s taste. Different materials, designs and colours as well as an array of different surfaces open up a wide range of possibilities for giving every bathroom the right emphasis.

The updated actuator plate range, Sigma50 round, sees the roll-out of the highest-quality actuator plate with round buttons to date. The design is based on that of the Sigma20 with the quality of the Sigma50 Square. The versions made of glass impress thanks to a precise cut that reflects the light in sophisticated fashion. The “Mustang Slate” (Brazilian slate) version represents the first time that Geberit’s range of actuator plates features a natural material. Furthermore, Design trim come in on-trend colours such as Brass, Black Chrome, Chrome and Red Gold.

The two production lines cover an area of 30 by 11 metres.

CREATING A NEW FLUSH VALVE

FROM 17 TO 1

Two new production lines for the flush valve type 212 in Pfullendorf, Germany, offer maximum flexibility. This not only applies to production, but also to some other aspects that you wouldn't think were possible on a piece of equipment weighing several tonnes.

"Flexibility is one of the biggest strengths of the two production lines."

Fabian Hiller
GPS Project Engineer

They are called Linda, Marie or Ramona and share their names with players from the German and the Swiss women's national football teams. While scoring goals isn't on the agenda, perfect teamwork is essential when manufacturing the new flush valve type 212. These 30 orange robot arms are an integral part of the two production lines on the flexible assembly system in Pfullendorf.

HIGH-PRECISION IN-HOUSE SOLUTION

Since the start of the project, the system has been the responsibility of Fabian Hiller (35), GPS Project Engineer in Pfullendorf. Under his direction, the flexible assembly system was then designed and developed on time and on budget within one and a half years. This was thanks to an in-house team made up of designers, plumbers, control technicians and IT specialists. Only specific components such as the robot arms were purchased elsewhere. "The goal was to optimise the production time of the flush valve and reduce the complexity to minimise the workload on the employees," sums up Fabian Hiller. With a production time of just 7.5 seconds per flush valve, this test has been passed with flying colours.

MAXIMUM FLEXIBILITY

When running at full speed, the two lines can manufacture several thousand flush valves every day. To do this, three employees are required. They operate the system, fill it with the 17 different individual parts and then remove the finished flush valves. However, it is possible to operate the flexible assembly system with just one person. The output is then lower as a result. This also means that the staff can be divided up better between the different production lines across the entire facility. "This flexibility is one of the biggest strengths of the production lines and makes them very popular across the company," comments Fabian Hiller.

READY FOR THE FUTURE ...

Another feature of the 30-metre-long flexible assembly system is the modular design. Setting up the system is then even faster. Moreover, new processing or feeder stations can be integrated afterwards with the insertion of additional modules. Whatever innovations and improvements may come in the future, the systems are perfectly prepared.

... AND FOR RELOCATION

The modular design has another advantage: the system is ideal when moving locations. An additional production hall will be commissioned in Pfullendorf. Here, the flexible assembly system will be installed in its final position.

GEBERIT PLUVIA ROOF DRAINAGE

LET IT **RAIN**

A roof drainage system only needs to be able to do one thing – drain water from the roof quickly and reliably. In order to ensure that this can be done even easier in future, Geberit has completely redesigned the Pluvia system's most widely used roof outlets while at the same time also streamlining the entire range.

The capacity of a Geberit Pluvia roof drainage system is normally designed in such a way that it can also cope with a once-in-a-century period of extreme rainfall.

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The new Geberit Pluvia roof outlets have a rotating lock bar for easy installation and maintenance

THE GEBERIT PLUVIA ROOF OUTLETS

- With a discharge capacity of 9, 12, 19, 25, 45, 60, 100 l/s
- The tightness of every roof outlet is tested at the factory
- Optimum housing geometry prevents air from flowing in
- Can also be used as an emergency overflow
- Rotating lock bar easy installation

For over 40 years, Geberit Pluvia has been reliably draining the roofs of shopping cen tres, football stadiums, airports, museums and other buildings all over the world. Over this time, the system has proven itself not only on large and very large roof areas, but also on very complex roof structures.

The Geberit Pluvia roof drainage system works according to the principle of negative pressure. It is designed in such a way that the pipes quickly fill completely with water when it rains heavily. This creates a closed, rapidly flowing water column that suctions the water on the roof effectively. The discharge capacity of a roof drainage system that works in this way is very high. Additionally, a system of this nature requires fewer outlets, pipes with smaller dimensions and fewer stacks than a conventional roof drainage system.

A PROFESSIONAL SOLUTION FOR EVERY ROOF CONSTRUCTION

Geberit has now completely redesigned the roof outlets with a discharge rate from 9 to 100 l/s. The new roof outlets are not only more convenient to handle, they also have a more compact design and are therefore significantly easier to install. The outlet grating, which keeps dirt and twigs away from the outlet, can be attached and re-moved in just a few steps and without tools thanks to the rotating lock bar. To stream-line the range of parts, several components on both outlets are constructed in the same way – for example, the anti-condensation insulation, the outlet grating and the function disc. This simplifies both installation and maintenance for roofs on which both outlet sizes are installed.

The Geberit Pluvia roof outlets are available in various versions in order to be able to meet the challenges posed by a wide range of roof structures. The range of roof outlets incorporates versions for insulated and un insulated roofs as well as for gutters. To facilitate installation, the outlets now have longer outlet connection pieces made of PE. Depending on the version, the outlets are already prepared at the factory for roof foils or bituminous seals. The portfolio also includes various emergency overflows.

With Pluvia, Geberit offers a system for draining large or complex roofs that continues to stand out. Geberit's scope of services also includes project-specific advice and planning support.

Only a small number of discharge stacks are required for siphonic roof drainage – just one single discharge stack is often sufficient. The Geberit Pluvia roof outlets are connected to the discharge stacks via Geberit HDPE pipes made of polyethylene that are laid horizontally under the roof.

Fastening to the building structure is only required every 2.5 metres. This is also ideal for lightweight roofs, as only low forces are applied to the building structure.

SOFTWARE SUPPORT FOR SANITARY ENGINEERS AND ARCHITECTS

When planning and calculating Pluvia roof drainage systems, Geberit supports building owners, architects, engineers and sanitary engineers with the tailor-made Geberit ProPlanner software. Geberit also offers a free download of BIM data in AutoDesk Revit format.

Find out more at **geberit.com.au/bim**

THE GEBERIT PLUVIA ROOF DRAINAGE SYSTEM

- Sophisticated siphonic roof drainage
- High savings in materials and faster installation
- Improved design freedom and use of space
- self-cleaning
- Easy and reliable planning

SOLUTIONS FOR **EVERY ROOF**

Thanks to the Geberit Pluvia roof outlet's modular design and many models, the system is suitable for almost all installation situations. Whenever complex roof structures or geometries pose a particular challenge, Geberit's Pluvia specialists develop customised solutions.

Concrete roof with bituminous seal

Concrete roof with sealing foil

Insulated concrete roof with bituminous seal

Gutter made of steel

Weight-bearing concrete roof with bituminous seal

Lightweight roof, insulated and with sealing foil

Lightweight roof, insulated with bituminous seal

FLUSH VALVE TYPE 212

A TRUE **ALL-ROUNDER**

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The flush valve type 212 is designed for the water-saving dual flush, with the flush volume set using the blue sliders.

↑
A throttle is installed in the new basket that is used to adjust the speed of the flush water.

Geberit has developed a new dual-flush unit for concealed cisterns that has been optimised across the board. When equipped with this unit, Geberit concealed cisterns meet all standards in place around the world.

The new flush valve was thoroughly tested as part of product development – both in very highly frequented public and semi-public toilet facilities and also in areas with extremely hard water.

GUARANTEED COMPATIBILITY
The new flush valve type 212 is backwards-compatible and replaces the current flush valves seen in the Sigma and Omega cisterns. The basket on the flush valve has a handle that significantly simplifies installation in the cistern. The new basket also has to be installed when replacing an old valve.

ADJUSTABLE FLOW SPEED
A throttle is also installed in the new basket, which is used to set the speed of the flush water and adjust it to the toilet. By setting the flush water to one of five levels, water splashes on rimless toilets can be reduced. The factory setting is preset depending on the respective market.

DIVERSE SETTING OPTIONS
The valve is equipped with two sliders for setting the flush volume. The large flush can be set on six levels ranging from 3.5 to 7.5 litres. Meanwhile, the small flush can be set on twelve levels of between 2 and 4 litres. The valve makes a significant contribution to the resource-saving use of drinking water, with optimal flushing out of the toilet achieved with only minimal flush volumes.

INTELLIGENCE INSTEAD OF NUMBER CRUNCHING

ARTIFICIAL **INTELLIGENCE**

Artificial intelligence is a big help in many areas of everyday life. In Geberit ProPlanner, it is an important part of the software used for correctly calculating roof drainage solutions with Geberit Pluvia. But what exactly is AI?

→

Whereas fictional characters such as Gyro Gearloose's Little Helper or Arnold Schwarzenegger as the Terminator used to wow us with their virtually unlimited artificial intelligence, AI has now become an integral part of everyday life. In terms of classification, AI is not synonymous with the automation that takes place at the production sites. A "smart" power socket, lighting or thermostat also isn't "intelligent" – it simply reacts to commands.

"At the moment, artificial intelligence is split into two areas at Geberit – classic AI as seen in image or voice recognition, and reinforcement learning," explains Pascal Schäfer, who is responsible for AI applications in the Customer Applications team at Geberit. "While classic AI needs humans to feed the computer with lots of examples, reinforcement learning sees the computer take over the learning process. Here, the AI follows the same principle as if I were a child learning a computer game – I continue to do what is good for me and avoid what is bad for me."

CHALLENGES WITH PLUVIA

Designing a syphonic roof drainage system such as Pluvia with the correct dimensions is surprisingly difficult. All pipe diameters have a mutual effect on one another. Once the dimensioning is incorrect – with diameters that are too large or too small on individual sections – the system no longer works. The water then collects on the roof, with unforeseeable consequences for both people and the building itself. Simply trying out all the variations on offer is not an option as there are countless different possibilities.

"Planning and dimensioning a Geberit Pluvia installation correctly requires a combination of intuition, hydraulic know-how and experience. Since the very beginning, we have supported sanitary engineers with heuristics in Geberit ProPlanner – or expertise in the form of code, to put it another way," explains Pascal Schäfer.

With this approach, 76 per cent of all systems can be dimensioned correctly and completely automatically. Every system – whether dimensioned by hand or automatically – is also checked using a test algorithm developed by the hydraulics specialists from Geberit. This either approves a calculation or rejects it until the correct solution is reached.

STEP BY STEP TO THE GOAL WITH AI

Humans are very good at learning from examples. Sometimes, only a few examples are necessary before we can apply them to new situations. In classic AI, computers also attempt to learn from examples. However, to do this they often need thousands or even millions of examples. While they are thus much less efficient than humans, they have a huge amount of processing power at their disposal. Since 2017, ProPlanner has followed this approach whenever a solution cannot be achieved using heuristics, with the success rate improving to 93.4 per cent as a result.

AI IN GEBERIT PROPLANNER

Machine learning
Machine learning is an AI approach in which the computer learns autonomously from examples. The most widespread method is based on a large amount of examples together with the "correct" answers. As a rule of thumb, the more examples the better the answers. Hundreds of thousands – if not millions – of examples are needed for machine learning. After the learning phase, the computer then attempts to provide the correct answer for new, unknown examples.

This type of machine learning is used for product recommendations on online shopping platforms, for example. Here, the software identifies which products a user prefers and then suggests similar ones. Virtually all image and voice recognition applications also use this method. In Geberit ProPlanner, the AI is taught using data from all Pluvia calculations. Based on what it has learned, the system then makes suggestions for dimensioning in new projects.

Reinforcement learning (RL)
Reinforcement learning is a type of machine learning where the computer learns complex processes – such as flying a helicopter or playing chess – autonomously. Examples with the "correct" answers are no longer required here. The algorithms learn by themselves by trying things out tactically. Reinforcement learning is similar to how children learn things. Without instructions, children quickly get to grips with complex computer games when they are rewarded for good gaming strategies. Successful strategies are pursued while unsuccessful ones are rejected. In Geberit ProPlanner, the computer learned a suitable Pluvia dimensioning strategy autonomously over a period of several weeks according to real, existing installations.

"The success rate of artificial intelligence is impressive. "

Pascal Schäfer
Head of Planning Services,
Customer Applications

A SUCCESS RATE OF 98 PER CENT

"The success rate using AI is very impressiv. Up to now, only 6.6 per cent of the planned projects couldn't be dimensioned using ProPlanner alone. It is exactly these tricky projects that appeal to us in particular," comments Pascal Schäfer.

With the addition of reinforcement learning – a type of AI where the computer learns the process autonomously without examples – ProPlanner has further increased the success rate to around 98 per cent since 2018. "With reinforcement learning, we can successfully calculate around three-quarters of these remaining cases in a matter of minutes, without the technical advisors having to draw up a complex process together with the sanitary engineers."

The use of reinforcement learning is a hot topic in the field of research. Geberit is part of an exclusive circle of companies worldwide to already make productive use of this advanced form of AI.

Geberit's "Little Helper" has certainly done its job – we're sure Gyro Gearloose would approve.

Pascal Schäfer, Head of Planning Services, Customer Applications at Geberit

THREE QUESTIONS FOR PASCAL SCHÄFER

What is so special about the Geberit solution?
Firstly, we rely on seamless interaction between "classic" machine learning and reinforced learning, which results in an accurate, reliably planned Pluvia roof drainage system in over 98 per cent of cases. This success rate on its own is very special. Secondly, we have not had to develop any new algorithms. Instead, we have combined the know-how of the Geberit experts with our knowledge of AI and persevered in developing this solution.

For many people, artificial intelligence is more a curse than a blessing. What is the reason for this?
This is all a question of understanding. AI is not a human brain in the body of a robot. Instead, it is a way of taking human learning, thought and decision-making processes and transforming them into digital methods. A computer can process huge amounts of data rapidly, meaning it can react much faster than a human ever could. We take advantage of this in ProPlanner. In principle, it is not the intention of AI to replace humans, but instead to mimic their intelligence in order to develop and improve human abilities and performance.

What does this mean for Geberit ProPlanner?
Planning the Geberit Pluvia system is no easy task, especially when special roofs come into play. The smallest deviations or miscalculations during dimensioning will lead to failure of the roof drainage system. We thus put the processing performance of the computer to good use to achieve a correct calculation.

"With this plug-in, we ensure that sanitary engineers and architects always plan with current BIM data and therefore achieve considerably higher planning reliability."

Werner Trefzer
Head of Technical Documentation at Geberit

MADE TO IMPROVE EVERYDAY WORKING LIFE

DIGITAL HELPERS

Geberit continually expands its range of digital tools for sanitary engineers and plumbers from the Geberit Pro app – the Swiss army knife among the digital solutions – to the BIM Plug-in planning tool.

Everyday life on the building site is becoming more and more digital. This not only applies to applications for resource planning and the ordering of products, but also on-site assistance and construction planning itself. Geberit provides various tools here.

THE GEBERIT PRO APP

Since the end of January 2019, users of the Geberit Pro smartphone app have had some brand-new features at their disposal. Geberit has developped the existing app further and added some attractive new functions.

A key element is the bookmark function, which enables frequently viewed product pages to be immediately saved for fast retrieval. With the update, the search function has been improved. Plumbers can directly access the web-based and mobile-optimised online catalogues from within the app. These catalogues were completely overhauled back at the end of 2018 and now combine the spare parts catalogue and classic product catalogue in one. Users can save a lot of time here because they can easily find the products in the catalogue – plus the corresponding product videos – using the new search function, the product finder or the barcode scanner. Returning users can see immediately which products they last looked at, which saves time when working with the app.

DIGITAL PLANNING AID

Building Information Modelling – or BIM for short – is the new planning and construction standard in the construction industry. With this digital method, it is possible to closely link and optimise the planning, construction and management of buildings and other structures in CAD systems. Products are processed in

the planning software as intelligent 3D models. Geberit has been providing users of BIM planning software with various data formats such as Revit families and VDI 3805 data records for quite some time, which hydraulic engineers and architects can download and use in various software systems for planning purposes.

AUTOMATIC UPDATE

One of the challenges is whether the downloaded data records are up to date. After all, a lot of time can pass between the planning stage and the time construction gets under way – during which products can change. With the Geberit plug-in for the Autodesk Revit software, users always work with the updated data records for the planned Geberit products.

Both hydraulic engineers and architects install this plug-in in their Revit software. The software then automatically checks whether the date used is still up to date and notifies the user of any updates. The sanitary engineers and plumbers can then update their BIM model. This gives users a real-time access to Geberit's BIM data.

Geberit also provides a Revit plug-in for planning Pluvia roof drainage projects with BIM. This plug-in facilitates quick and reliable dimensioning for Pluvia solutions and is a major help to engineers.

←
The charm of days gone by: the 2 m² guest bathroom with original Phoenix wooden cistern from Geberit.

OLD BUT GOLD

FLUSHING WITH PHOENIX – DAY AFTER DAY

↑

Despite all the dust and deposits, the lead-lined cistern still goes about its work reliably every day – thanks in no small part to the work carried out by the specialist.

↑

Plumber Paul Bosshard still has an old Geberit float valve on hand as a spare part.

An original Phoenix wooden cistern from Geberit is still doing its job reliably in the Swiss city of Winterthur.

When plumbers hear the word "Phoenix", their thoughts first turn to the pioneering wooden cistern and not the immortal bird from Greek mythology. Developed back in 1905 by Albert Emil and Leo Gebert – the sons of the company founder – the forefather of all flushing cisterns laid the foundation for the future growth of the company.

"WE WANTED TO KEEP IT"

One of these Phoenix models is still in action in the 2 m^2 guest bathroom of a sprightly pensioner in Winterthur, Switzerland.

The owner has no idea about how old the wooden cistern with lead lining and lead fittings is. All she knows is that it was already there when she bought the house back in 1983. "Right from the beginning, it was clear that we wanted to keep it," she says.

Originally painted grey, the proud owner had the cistern stripped back to the wood finish, replaced the old pull chain with a retro model and purchased a toilet seat and lid in matching wood design. The small guest bathroom exudes the charm of a bygone era.

A PERFECT FIT

Despite its reliability, the years have still taken their toll on the Phoenix. When an overhaul of the cistern was needed a few years ago, the owner contacted her local plumber.

The plumber, Paul Bosshard, was well aware of the historical value of the original product, and immediately accepted the job of bringing the old yet still functional cistern up to scratch: "It would have been a shame to replace it. It's a perfect fit for the small guest WC."

> "It would have been a shame to replace the Phoenix. It's a perfect fit for the small guest WC."
>
> **Paul Bosshard**
> Plumber

TRUE CRAFTSMANSHIP

Given its age, the overhaul of the Phoenix required a great deal of expertise. The experienced craftsman, who completed his apprenticeship as plumber in Winterthur more than 40 years ago, thoroughly descaled and cleaned the float valve and flush valve. "Making running repairs on a cistern like this requires some real handiwork and a certain skill," he explains, as the flush mechanism works differently to the flushing systems seen today. "It has to be a real labour of love."

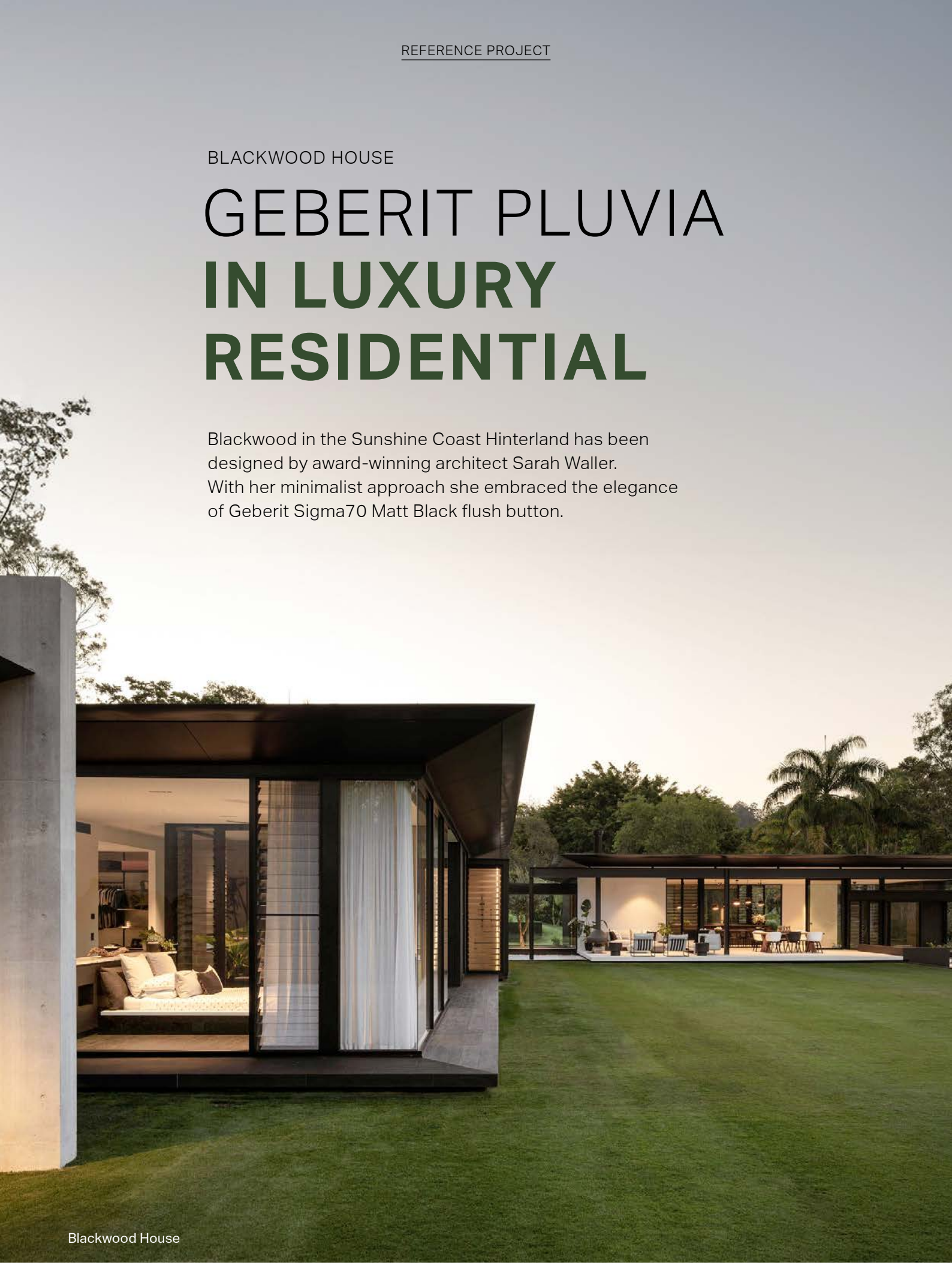
This additional work is all part of the service offered by the plumber, much to the delight of the owner: "I wouldn't trust anyone else to work on my Phoenix." And what does the saviour of this historical gem have to say? "I'll keep servicing the Geberit wooden cistern for as long as possible."

Photos: Ben Huggler

BLACKWOOD HOUSE

GEBERIT PLUVIA **IN LUXURY RESIDENTIAL**

Blackwood in the Sunshine Coast Hinterland has been designed by award-winning architect Sarah Waller. With her minimalist approach she embraced the elegance of Geberit Sigma70 Matt Black flush button.



Blackwood House

Photography: Alyne Media

PROJECT OVERVIEW

Blackwood, an architectural gem in the Sunshine Coast Hinterland, is the latest project by award-winning architect Sarah Waller. Known for her bespoke luxury homes, Sarah designed Blackwood to set a new standard in Hinterland residences. This collaboration with Geberit builds on the success of the Doonan Glasshouse, further solidifying Sarah's commitment to integrating innovative, high-quality products that enhance the design and functionality of her contemporary homes.

CHALLENGES

The key challenge in designing Blackwood was creating a minimalist, high-end home that delivered on aesthetics while also addressing the practicalities of living in a subtropical region prone to heavy rainfall. Sarah sought solutions that would not only integrate seamlessly with the clean, modern interiors but also ensure long-term durability and functionality.

One of the standout innovations in the project was Sarah's decision to incorporate Geberit's Pluvia Roof Drainage system typically used in high-rise buildings and commercial applications—into a residential setting. The flat roof design of Blackwood required a drainage system capable of managing heavy rainfall, which has become a common issue in the region. The Pluvia system was ideal for this, allowing for efficient drainage while maintaining the home's sleek aesthetic.

This forward-thinking approach leveraged commercial technology to solve a residential challenge, reflecting Sarah's innovative mindset and ability to adapt cutting-edge solutions to unique architectural needs. Alongside this, Geberit's Sigma8 Concealed Cistern and Sigma70 Matt Black flush button were used to maintain the minimalist, modern design Waller envisioned for Blackwood's bathrooms.

INTEGRATION OF GEBERIT PRODUCTS

Geberit products supported the success of the Blackwood project: Sigma8 Concealed Cistern enhanced the clean, minimalist look of the bathrooms while delivering reliable functionality, ensuring a seamless design with no compromise on performance. Sigma70 Matt Black Flush Button added an understated, modern touch to the bathrooms, complementing the overall contemporary design of the house. Pluvia Roof Drainage System typically found in commercial buildings, the Pluvia system was used innovatively in Blackwood to solve the roof drainage challenge. Its efficient management of heavy rainfall was key in ensuring the home could withstand the region's weather conditions while preserving its aesthetic integrity.

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Geberit Sigma70 in Black

↑
Geberit Pluvia Siphonic
Roof Drainage

Sarah explained, "The Pluvia system allowed us to integrate an incredibly efficient drainage solution without disrupting the sleek roofline of the home. It's an innovative use of commercial technology in a residential project, and it ensures Blackwood remains functional and beautiful, even in heavy rain."

SETTING NEW BENCHMARK

The Blackwood project is a testament to Sarah Waller's ability to blend aesthetic innovation with practical solutions. Her collaboration with Geberit resulted in a home that not only showcases contemporary design excellence but also addresses the environmental challenges posed by the region. The innovative use of Geberit's Pluvia Roof Drainage System, alongside the Sigma8 Concealed Cistern and Sigma70 Matt Black flush button, ensured that Blackwood is as functional as it is visually stunning. This project sets a new benchmark for luxury homes in the Sunshine Coast Hinterland, combining beauty, resilience, and cutting-edge design solutions.

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