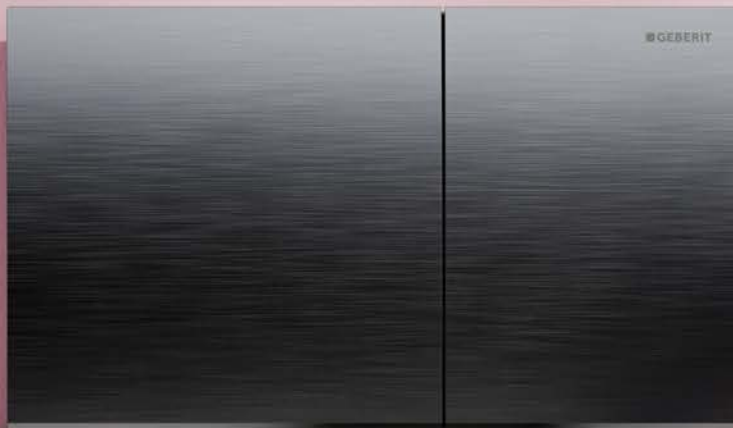


KNOW -HOW-

CUSTOMER MAGAZINE
SUMMER 2024

■ GEBERIT

150
YEARS
OF TOMORROW



150 YEARS OF GEBERIT

**A FUTURE
WITH TRADITION**

SIGMA70 FLUSH BUTTONS

FLOATING DESIGN
MINIMALIST AESTHETIC

ON THE COVER

The new Geberit Sigma70 Flush Button range features a floating design. It is simple to install and a pleasure to look at. The cover image showcases the Sigma70 in Brushed Black Chrome.

CONCEPT/DESIGN/REALISATION

Linkgroup AG, Zurich

www.linkgroup.ch

Photography: Julia Dunlop (Page 14-15)

Michael Curwood, Square Green

(Page 22-23)

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Frances Ngo
Managing Director

DEAR CUSTOMERS, GEBERIT IS CELEBRATING ITS 150TH ANNIVERSARY.

Geberit has repeatedly set the standard – then, now, and in the future. In this magazine, we will take you back in time to look at the highlights of product development, from wooden cisterns to high-performance drainage systems. From water-saving flush valves to the most modern touchless technology.

But we certainly don't want to rest on our laurels in our anniversary year. Quite the opposite, as our 2024 innovations show. A series of new, elegant flush button ranges, for example, has brought over 50 new designs to Australia. Discover the new Sigma70, Sigma50, Sigma21, and Omega20 Tone in Tone flush buttons.

Other innovative products – from siphonic roof drainage to the space-gaining SuperTube piping systems – complement the portfolio. Even after 150 years, Geberit continues to improve product quality in the bathroom, simplify installation and reduce the impact on the environment.

I hope you enjoy browsing through this magazine.



The founding family: Albert Gebert with his wife Josefina and their two sons Albert Emil and Leo, shortly after 1892.

A LOOK BACK

150 YEARS OF GEBERIT: A FUTURE WITH TRADITION

Founded in 1874, Geberit achieves its big breakthrough with the first cistern made of plastic in 1952. Even back then, the company is one of the pioneers of the sanitary industry. The innovative products for sanitary technology and the bathroom continually set new standards. Find out more about the most important milestones from the company's 150-year history.

GEBERIT THROUGH THE YEARS

- 2023 New HQ in Sydney
- 2022 Ecovardis Sustainability Award
- 2021 Geberit Innovation days
- 2019 SuperTube
- 2018 Record investment in operations
- 2014 50 years of concealed cisterns
- 2000 Geberit Australia is born
- 1999 IPO
- 1996 Duofix installation system
- 1991 Founding family retires
- 1985 First environment strategy
- 1979 Siphonic roof drainage
- 1977 First installation system
- 1971 Solvent in HDPE
- 1967 Pfullendorf Germany plant
- 1964 First concealed cistern
- 1957 Venture in drainage
- 1953 Geberit trademarked
- 1952 First plastic cistern
- 1939 Roof building
- 1935 Plastic processing venture
- 1905 Phoenix wooden cistern
- 1874 Company founded

1874

THE FOUNDATION

In August 1874, Albert Gebert advertises his services in the local newspaper "to an admirable public in town and country for all the work the profession entails". The 24-year-old has just opened a workshop in the old town of Rapperswil (CH) and offers plumbing work, lightning conductors, and pipe installations. Together with his wife Josefina, he also runs a household goods store. They have six children, although their two sons Albert Emil and Leo (right) are the only ones to survive.



1905

THE PHOENIX

In 1905, Albert Gebert invents the Phoenix, the first cistern manufactured in Switzerland. The wooden box is lined with lead, the fittings are [A1] made of brass and lead. Albert develops the cistern because he reproaches himself for not having undertaken anything "to combat the bacterial carrier" of diphtheria, from which three of his children died. At the time, it is not foreseeable that wooden cisterns will become a growth driver for the company.

1964

THE FIRST CONCEALED CISTERN

A masterpiece was achieved in 1964 with the development of a plastic cistern that can be installed behind the wall. The construction is reliable, the filling process quiet and the material is resistant to aging and corrosion. By hiding the technology behind the wall, the concealed cistern changes the appearance of bathrooms all over the world which take on an increasingly homely character. Today, the concealed cistern is pre-assembled in many Geberit WC installation elements and installation systems.



1966

THE BLACK PIPES

Polyethylene (PE) is ideally suited for wastewater applications as it is resistant to almost all chemicals. In 1966, the PE range is therefore extended to cover the entire building drainage system. The PE fittings are manufactured in Jona Switzerland, Pfullendorf Germany, and then also in Pottenbrunn Austria. The pipes are initially purchased from external suppliers. However, the sanitary industry must first be convinced of the benefits of plastic pipes. Geberit therefore launched a training offensive throughout Europe. And with success: by 1980, PE largely replaced traditional materials for sewage pipes in many countries.



1996

THE ARRIVAL OF DUOFIX

Duofix is the universal and quick-to-use installation element for sanitary installations in bathrooms. It is ideal for prewall installations created using drywall construction technology. Launched in 1996, Duofix is now the most frequently installed installation element in the sanitary industry after having sold tens of millions of elements. There is hardly a plumber in Europe who has not already installed a Duofix.

2019

THE SUPER STACK

In big cities, space is not only limited, but also expensive. This is where SuperTube comes in: the system revolutionises building drainage in 2019. Sophisticated fittings cause the water to rotate and ensure that a constant column of air remains in the discharge pipe even if it is diverted. The bottom line is that there is more room for living and usable space. The system is used in high-rise buildings around the world and underlines Geberit's expertise in building drainage.



SIGMA70 FLUSH BUTTON

FLOATING DESIGN MINIMALIST AESTHETIC



Geberit Sigma70
in Red Gold

The new Geberit Sigma70 flush button stands for minimalist design and the highest aesthetic demands. New architectural colours and materials distinguish this innovative flush button.

A sleek, frameless design, convex surface, and slimline structure combine to create the floating illusion of this innovative flush button.

The Geberit Sigma70 flush button range feature an innovative design with precision mechanics and architecturally inspired colours and materials.

Floating and minimalist. Characterised by its minimalist, floating design and the highest aesthetic standards. The two buttons are precisely coordinated for a homogenous panel surface that looks like it has been made from a single piece.

- Water-saving dual flush actuation
- Plate made of glass or stainless steel
- Simple cleaning
- Floating, frameless design
- Matt and brushed finishes include easy-to-clean surface
- Suits Geberit Sigma8 Concealed Cisterns



↑
Geberit Sigma70 in Gloss Black



↑
Geberit Sigma70 in Matt White



→
Geberit Sigma70 is available in 10 new colours

SIGMA FLUSH BUTTONS

AS YOU LIKE IT

The trend towards individualisation also brings with it increasing demands from customers who are looking for design options in the bathroom that are as diverse as possible. These are often nuances that have to be perfectly coordinated. Flush buttons in new, trendy metal colours can make a small yet significant difference here.





Flush buttons in brass, red gold or black chrome give the flush button a particularly elegant appearance.

The new range of high-quality materials are now available for the popular Sigma50 and Sigma21 flush button ranges, meaning a wealth of possibilities for combining the look of the plates and buttons. Looking for the right design for your own dream bathroom will now become a voyage of discovery.

THE RIGHT TONE

The flush button gets its unmistakable look through the selection of the curved flush buttons (on the Sigma50) or the characteristic rings (Sigma21). The popular metal colours red gold, brass, and black chrome are new additions here and blend in perfectly with a range of bathroom environments. All three are coated with a glass ceramic layer that protects the surfaces from damage.

FROM NATURAL TO INDUSTRIAL

With versions in concrete look, metal, and wood (walnut), the range of new plate materials covers all the bases. You don't need to be a fan of shabby chic or have your own loft to choose the concrete version – the light grey shade is the perfect match for many walls and tiles. The same applies to natural materials such as walnut, with unique timber grain – each plate is one of a kind – appear rugged or earthy and warm, respectively.

Incidentally, did you know that our Sigma50 flush buttons can also be combined with the Geberit DuoFresh odour extraction module? This ensures freshness in the bathroom at all times and also comes with a night-time orientation light and an insert for blue in-cistern sticks to keep the toilet fresh and clean.

DIGITAL PLANNING

BIM IN ACTION

Construction projects are complex affairs. Many different trades are involved, from the planning stage through the construction phase to the operation of a building. BIM simplifies the planning and construction process.



Building Information Modeling – BIM for short – offers many advantages as a modern planning method. All planning is carried out in 3D, including all technical specifications of the planned elements. In practice, all trades can also be integrated into the various phases of construction using open exchange formats. This avoids planning errors and therefore delays in construction. Furthermore, BIM secures project knowledge, as all data is available in the so-called digital twin, i.e. a digital copy of the real building.

RESTRAINT WITH TRADES

For these reasons, planning with BIM is the new standard in the construction industry. There is still some catching up to do in many trades when it comes to using BIM as a planning method. Many of those involved

are reluctant because they have doubts about its economic viability. In addition, there is often a lack of specialist knowledge and, in some cases, a lack of standardised, accurate and up-to-date BIM data from manufacturers.

CLEAR BENEFITS FOR USERS

“With the new Geberit BIM Catalogue for Autodesk Revit, the planner can directly access BIM data for Geberit piping and installation systems,” says Werner Trefzer, Head of Technical Documentation and BIM. “This gives the planner access to the latest BIM data at any time, in the desired level of detail, in the respective national language, and for the product range available in the relevant market.”



MEP planner Peter Körber,
Managing Director of Planteam K in Aschaffenburg (DE),
talks to Geberit about BIM in practice.

INTERVIEW WITH THE EXPERT

What does BIM mean for your day-to-day work?

BIM enables us to comprehensively optimise our planning work as MEP planners. Although some project participants still shy away from the initial additional effort and training, they can see that this effort quickly pays off.

What do you need to work efficiently with BIM in planning?

To model our ideas quickly, we need comprehensive component catalogues in order to realistically plan key system components at an early stage. These don't need to be represented down to the last detail,

as this only increases the amount of data in the models. It is important that the components are easy to "install", e.g. have connectors for all pipe connections and also have the minimum clearances for installation and maintenance as "interference space".

Where is the BIM shoe pinching in the construction industry?

BIM is a very large subject area and a disruptive process in relation to conventional planning methods. It is therefore understandable that decision-makers are reluctant to introduce something new. So here's a tip for getting started: choose a small project with specifically defined goals, e.g. "I no longer want to print material lists for the tender, but instead import my model directly into the tendering software". This makes the benefits tangible and the achievement of objectives realistic.

What is the interaction with other participants like?

Depending on the level of knowledge of the project members, it works more or less well. In any case, open BIM is the order of the day, as everyone works in their familiar software and the exchange takes place via open standards such as IFC. But it gets better with every project and you can see how quickly the topic is finding its way into all trades.

PLUG-IN AND IT WORKS

Geberit BIM Catalogue Plug-in for Autodesk® Revit® offers the following services:

- Access to current BIM data of Geberit products
- Autodesk® Revit® families at product level
- Models with small file size, classified according to the open IFC standard
- Country-specific product ranges in the language of the respective online catalog
- Can be switched to manufacturer-neutral mapping at the touch of a button
 - important when tendering for public projects



LESS PAPER IN PACKAGING FOR GEBERIT PRODUCTS

DIGITAL MANUALS IMPROVE ECOLOGICAL FOOTPRINT

In the coming years, Geberit will replace many printed manuals and catalogues with the digital equivalent. This will improve the ecological footprint of the products, says Werner Trefzer, Head of Technical Documentation and BIM.



Werner Trefzer
Head of Technical Documentation
and BIM.

WHY DOES GEBERIT WANT TO REDUCE THE USE OF PAPER MANUALS AND CATALOGUES IN THE FUTURE?

Werner Trefzer: With the paper form, the waste of resources is enormous. We are talking about almost 2700 tons of paper and wood fibre per year. It is true that we work almost exclusively with recycled paper. Although fewer trees have to be felled for this, an enormous amount of water and energy is needed. We are talking about almost 50,000 m3 of water and over 10 million kWh of energy per year. This amount corresponds to about 2000 tons of CO2 per year. With the reduction of paper, we have a real lever for a better ecological balance.

BUT WE CAN'T DO WITHOUT MANUALS - WHAT IS THE ALTERNATIVE?

In the future, we want to enclose a small sheet with the product packaging that links to installation and operating instructions, the Home App and Pro App by means of QR codes. This way, you can easily get to the information you need. Whoever wants to print out the manual at home can also do so in the future. Today there is access to the internet practically everywhere and around the clock. In addition, digital manuals can be updated more quickly, as time-consuming printing and distribution are no longer necessary. Installers therefore always have the latest version at hand.

ISN'T THERE A DANGER THAT INSTALLERS WILL WORK WITHOUT REGARD FOR POSSIBLE ERRORS OR EVEN DAMAGE THAT COULD OCCUR?

We check very carefully which printed manuals we really want to do without. Safety comes first. So if it's a matter of electrical installations, for example, we will continue to enclose the installation instructions with the package. In addition, we don't want to get rid of all printed manuals headlong; we are proceeding cautiously step by step and are accompanying our customers in this process.

WHEN WILL THE PROCESS BEGIN?

We have already begun with some individual products in 2023 and are increasing the number over the course of this year. The goal is to reduce paper waste as effectively as possible. Two examples: A plumbing company orders 40 Duofix installation elements for a superstructure. Each one comes with a separate manual – 39 of them are therefore waste right from the start. Or: Up to now, we have included the instructions for use in various languages with our products. Most of them end up in the waste.

WHAT HAPPENS WITH THE CATALOGUES?

Here we take different measures depending on the country. In some countries printed catalogues will disappear completely, in others there will only be new product catalogues or shortened versions. In some cases, however, we are maintaining the current practice. Basically, what applies to manuals also applies to catalogues: The entire range is on the Internet. Thanks to the search function, the desired product can be found much more efficiently there.

GEBERIT CONTROL APP

SIMPLE AND PRACTICAL

It is now possible to operate the new Bluetooth Sigma 80 touchless flush button and Geberit DuoFresh odour extraction unit simply and efficiently using the Geberit Control App.

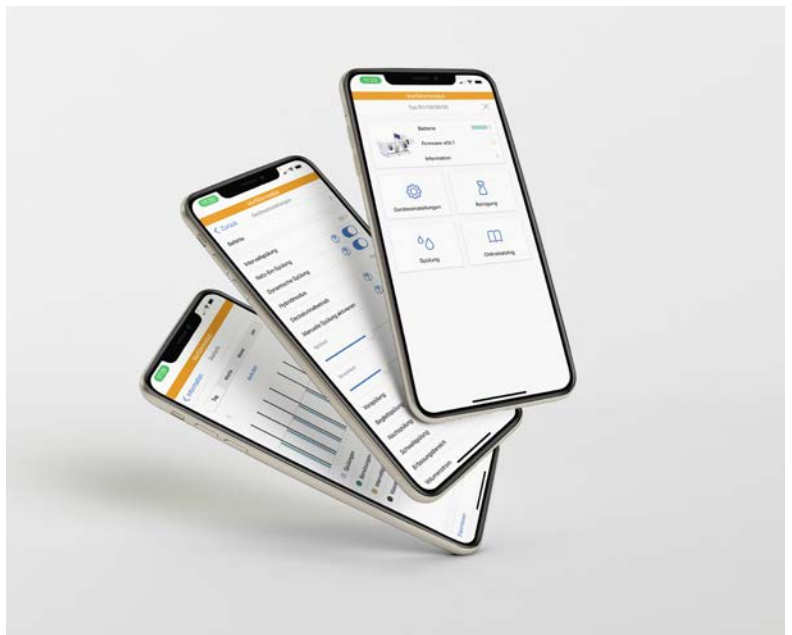
The Geberit Control App makes life easier for service technicians, facility managers, and plumbers alike. They can now use it to control the Sigma 80 and DuoFresh module and change product parameters with ease. An additional device is not needed here – just a smartphone and a Bluetooth connection. What's more, the app is also free of charge.

WIDE RANGE OF POSSIBLE APPLICATIONS

The app can be used for flush actuation, for defining flush volumes and operating modes, and for adjusting user settings. Furthermore, it can also display and export statistical data, meaning building management processes or workflows can also be optimised.

EFFICIENT GROUPING OF SANITARY PRODUCTS

The grouping function in the app is a real plus point, especially in large-scale sanitary installations. Up to now, service technicians had to control and configure each individual product with a service mobile phone – a kind of remote control. Using the app, it is now possible to group together all products installed in a room and operate them with one tool.



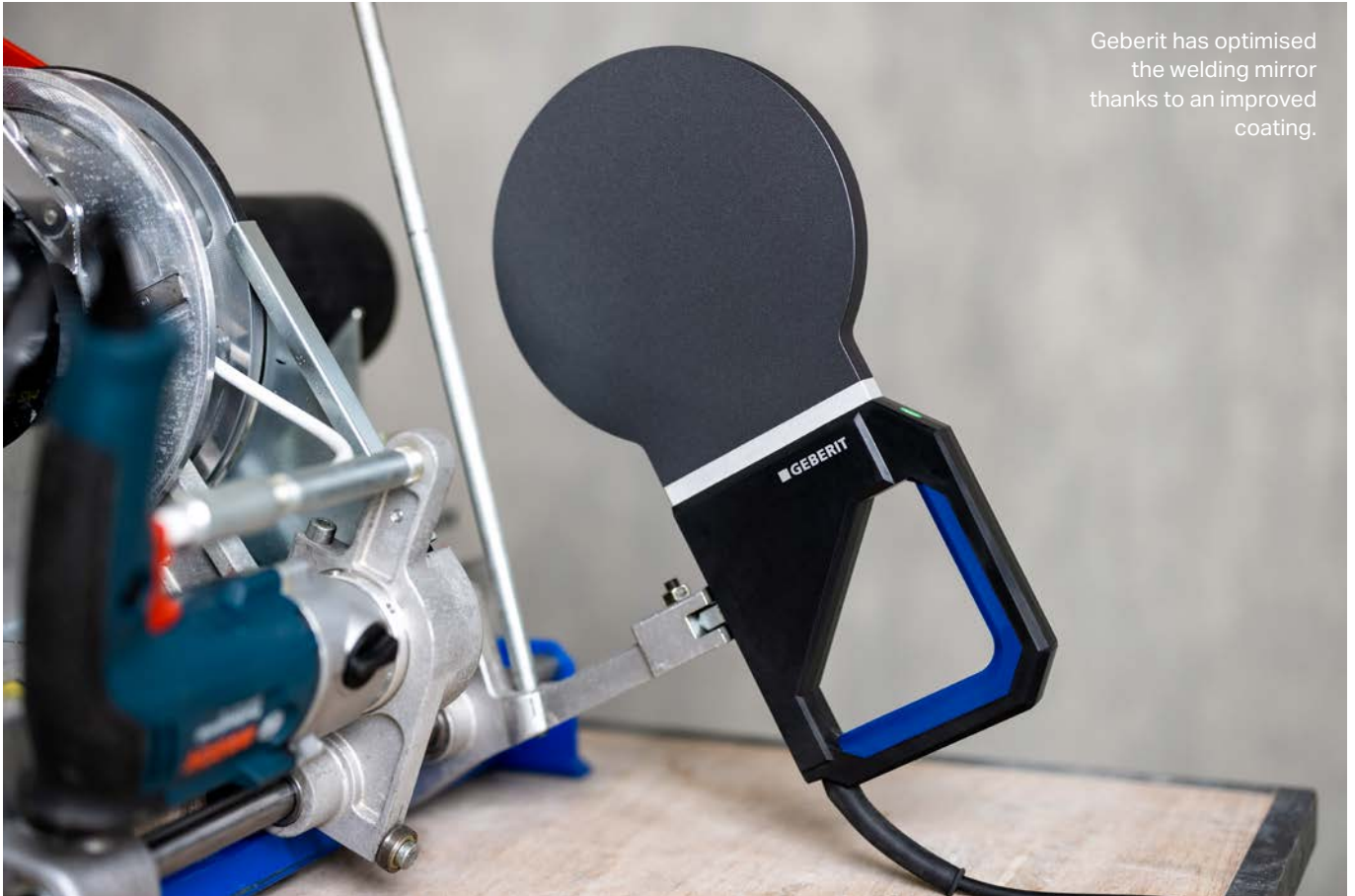
The Bluetooth Sigma 80 touchless flush buttons and Geberit DuoFresh odour extraction unit can be controlled with the new Geberit Control App.



Download the new Geberit Control App today.

GEBERIT WELDING MIRROR

EXTENDED SERVICE LIFE



Geberit has optimised the welding mirror thanks to an improved coating.

Thanks to an improved coating, the new welding mirror for Geberit HDPE pipes and fittings has a longer service life – and is also ready for operation quicker.

Geberit HDPE pipes are used all over the world for draining water from buildings. Laying these pipes can be a complex, demanding process, which means simple, reliable solutions are called for in order to connect them.

The easiest and most cost-effective way is welding. To do this, the plumber heats up the pipe ends using both sides of a welding mirror, which is a kind of heatable disc. Geberit has optimised this mirror and has now launched a new version on the market.

IMPROVED COATING

The mirror now has a longer service life thanks to improvements made to the polymer coating. As a result, plumbers can now use it to weld more pipes and fittings compared to its predecessor. The new coating is also easier to clean and thus also easier to look after.

This is also a major plus in terms of sustainability. Thanks to the longer service life, the impact on the environment is reduced. Eco-design is an integral part of the development process at Geberit, with the goal of making each new product more environmentally friendly than its predecessor throughout the entire product life cycle.

FASTER HEATING

The mirror also heats up quicker, resulting in reduced waiting times on the construction site and in the workshop. A built-in temperature regulator monitors the heat-up phase on the device. Once it is ready for operation, the signal lamp switches from red to green. The mirror can now also be held from the rear and not only from above, which makes safe welding work easier.



Up to now, the plumber has had to reach deep into the cistern through the narrow service opening in order to remove the basket on the flush valve.

THE NEW FLUSH VALVE TYPE 212

EASY INSTALLATION, INDIVIDUAL USE

The flush valve type 212 is now available. It ensures optimal cleanliness of the toilet pan together with the diligent handling of water. Above all, it can be installed and removed easily. Take a look for yourself!



Thanks to the new flush valve type 212, plumbers no longer have to scrape their forearms fumbling around in the depths of the cistern.



Firstly, the basket and the flush valve are separated from each other by lightly pressing together the top ends.



The basket on the new flush valve type 212 is equipped with a five-level throttle for regulating the speed of the flush water. This optimisation is particularly beneficial on rimless toilets, where water splashes can be reduced with the appropriate throttle setting.



The basket now has an extended hold-down clamp that makes installation child's play.



Once positioned correctly, the hold-down clamp is fixed to the cistern.



Sliders are found on both sides of the flush valve for setting the flush volume. The full flush volume can be set to one of six levels from 4 to 7.5 litres. Meanwhile, the partial flush volume can be set to one of 13 levels between 2 and 4 litres.



Finally, the flush valve is clicked into place on the basket and you're done.

Find out more here:

<https://www.geberit.com.au/products/bathroom-products/inlet-and-outlet-valves/>

AT A GLANCE

The flush valve type 212 replaces the current flush valves seen in the Sigma and Omega concealed cisterns. The key benefits of the flush valve are as follows:

Compact design: The flush valve type 212 is smaller than its predecessors, making installation in the cistern through the service opening easier.

Comfortable installation: Both the basket and flush valve now each have an extended handle – the hold-down clamp. This greatly simplifies installation in the cistern.

Precise setting of the water volume and flow speed: The flush volumes and flow speed can be adjusted on the corresponding toilet, thus reducing the risk of water splashes.

WATERFRONT CHALLENGE

STANDING THE TEST OF TIME

A house by the sea means quality of life. But it also harbours many construction challenges, as the Tamarama House on the Sydney coast shows.

Tamarama House Main
Bathroom
↓





← Absolute waterfront views at Tamarama House

Perched high on a headland overlooking the Pacific Ocean, this home crowns a clifftop in Sydney's seaside suburb of Tamarama. The sparkling setting is flanked by the famous foreshore and the house basks in strong Australian sunshine and sea breezes year-round. In 2021, Forest Building was tasked with returning the house to its former glory of more than 20 years ago. But what started as a "freshen up", explains Anthony of Forest Building, quickly evolved into a much larger renovation. The salt-ravaged elements and extensive damage from the corrosive locale needed to be replaced, as did the abode's four bathrooms.

Being a waterfront property, the home bears the brunt of extreme environmental conditions, inside and out: the client's televisions last only six months, the builders' tools were damaged after just five months, the power points show constant signs of corrosion, and the hand-rails are always wet from surf mist. The ambitious re-design departs from standard practices, so creative solutions and a custom approach were needed to achieve the design brief. This proved pertinent when

renovating the home's four bathrooms, which required the same matching buttons throughout, despite using standard in-wall concealed cisterns as well as under-counter concealed cisterns.

"If I have the option of choosing a cistern, I will always choose Geberit. Sometimes I don't get that option and that's when I've had problems in the past. I've never had any issues with Geberit cisterns. If I'm burying something in the wall and it's full of water, I want to have confidence that it isn't going to sprout a leak and give me grief in a year, two years. These Geberit cisterns have been in this house for 20 years and there's no issue with them. With the harsh conditions, we want the best products in here; we want to know that we've got the reliability of whatever we put in – that it is going to survive." Anthony Arena, Forest Building.

"It's harsh conditions, this close, it's virtually 50 metres to the water's edge. It needs good materials; it needs good cisterns." Phil Mueller, Forest Building.

The original Geberit cistern after 25 years



Geberit concealed cistern installation

THE SOLUTION

While renovating the bathrooms, the builders uncovered original Geberit concealed cisterns in perfect working order, which had been in use for over 20 years. Not only had they excelled the test of time, the HDPE cisterns had also outlasted many of the home's other fixtures, fittings and materials. For Anthony who oversaw this prominent project, the decision to specify new Geberit concealed cisterns in all four bathrooms was absolute. The product had proven its durability and Geberit's flexible design solutions were pivotal to the success of this build. Throughout the complexities of the project, the building and plumbing teams also received outstanding ongoing installation support from Geberit.

The Geberit concealed cisterns have saved space in each bathroom and enhanced their clean, contemporary aesthetic. Due to the HDPE tanks' impact resistance and innovative one-piece blow moulded technology, the concealed cisterns are leakproof, ensuring they will last generations, just like their predecessors. When asked whether there was any resistance from the trades team

surrounding the concealed cisterns, Phil's reply is emphatic: "No, not at all. The plumber actually pointed out how easy it is to install because of the frame, for example, and the accessibility. It's sensational," he says.

"Being from Switzerland, I know the standards – I have absolutely every confidence in the product. It will last." Phil Mueller, Forest Building.

THE RESULTS

- Durable for the lifetime of a bathroom in any environment
- Guaranteed leakproof
- Space-saving offering greater design freedom
- Ease of installation and maintenance-free design
- Ongoing support and custom solutions during building put on one line

Builder: Forest Building

CASE STUDY



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