weber
SAINT-GOBAIN

Perspectives 2023

- Render and facade systems
- Tile fixing and floor systems
- Building protection and mortar systems

SAINT-GOBAIN

OUR HIGHLIGHTS IN 2023

Making the world a better home

The construction industry is currently still a major contributor to global CO_2 emissions and the consumption of limited resources. However, it is also one of the few sectors that can become not only climate-neutral, but even climate-positive. Realizing this vision will require huge and united efforts.

Such changes require ideas and motivation, and fortunately there is no shortage of them. At Weber, a spirit of optimism can be felt across all departments. We are already proud of numerous products and systems that protect the environment, save energy and resources and can be recycled. Now the Weber staff is also collecting new environmental indicators for more transparency; changing recipes to replace ingredients with ingredients with more climate-friendly alternatives; installing solar panels on the roofs of our factories, work out CO_2-saving delivery routes and introducing recycled plastic packagings. The great commitment and willingness to change, which are reflected in all these measures, inspire me. Despite the enormous challenges, I am optimistic.
And we want to continue on this path - with you.

In addition to the crucial task of transformation towards climate- and resource-friendly and resource-efficient construction, building professionals are confronted with other developments to which we also offer answers: for example, the question of sufficiently affordable housing, or the increasing shortage of skilled workers, which is constantly forcing more efficient construction processes.

On the following pages, we present some of our solutions.
We look forward to working with you to make the world a better home.

Dr. Mara Terzoli
Managing Director
Saint-Gobain Weber GmbH

Dr. Mara Terzoli
Managing Director
Saint-Gobain
Weber GmbH

weber.therm circle Zero Waste ETICS

Circuit instead of one-way street

The unlimited consumption of raw materials is over.

The main task in the building world in the next decades will be to integrate the building materials into a sustainable cycle.

The first recyclable thermal insulation composite system **weber.therm circle** shows the way. All components of the solid (massive) system (insulation boards, dowels, woven fabric and mineral mortars) can be separated by type of component and recycled. This achieves **weber.therm circle** thanks to an intelligent system build-up with no use of bonding mortar. The insulation boards are dowelled into the masonry. An additional separation woven mesh and the specifically developed mineral reinforcing base coat render **weber.therm armadura base** enable the removal of the render shell during the dismantling.

Another ecological asset is the thick-layer **AquaBalance overlay render**, which efficiently prevents the formation of algae and fungi on the facade.

weber.therm circle has an official approval in Germany. The system has won several awards.

PERSPEKTIVEN ZUR ZUKUNFT DES BAUENS
Saint-Gobain Weber GmbH
Gewinner des Vonovia Innovationspreises 2022

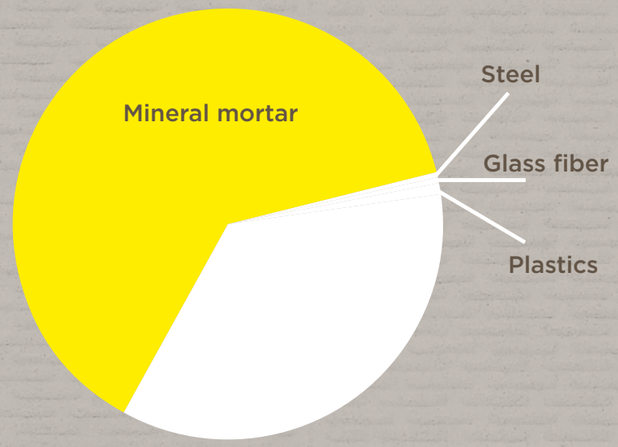
*Winner of Vonovia Innovation Award 2022

german federal award
ecodesign
product 2019

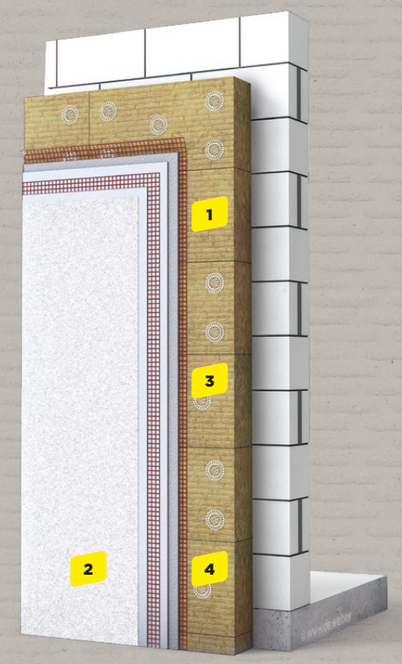
Your benefits with weber.therm circle:

- separation of each component and recyclable
- efficient protection against algae without biocides
- good thermal and acoustic protection
- non-combustible
- robust build-up due to thick render shell

Info about weber.therm circle



Breakdown of shares by weight/m²



* All mentioned figures are estimated.

35,1 % Mineral wool*

63,3 % Mineral mortar
0,1 % Plastics
0,4 % Glass fiber

0,8 % Plastics

0,3 % Steel

Benefits at one glance:

- up to 60 % time saving during installation
- reduced risk of errors and complaints
- individual configurabler

Info about ETICS window frames

„Plug and Play“
on the job site

Prefabricated ETICS window frames

Twice as good.
Three times as fast.

In external thermal insulation composite systems, each window has so far been manually installed, waterproofed and connected to the surrounding insulation level. The processing for all connection details is very time-consuming. The risk of faulty workmanship is particularly high here. This is where the **completely prefabricated** ETICS window frame of Weber comes into play. The frame is installed including the ready-to-paint reveal, the support for the window sill and the preparation for the external sun protection is delivered in **one piece** to the building site. There, the individually tailor-made frames are simply **„plugged“** onto the previously installed windows and clad with the ETICS. The concept **„plug and play“** results in a significant acceleration of the construction time with less manpower.

In addition, it offers building owners and planners more safety through technically and aesthetically perfect connections.

weber Anschlussdicht

Windows and co. reliably connected

We tackle thermal bridges. That‘s it, everything is tight

Additional building components must be well-embedded in an ETICS in order to avoid thermal bridges and eventual crack formation.

With **weber Anschlussdicht** Saint-Gobain Weber has launched a new flexible universal waterproofing on the market, which **considerably simplifie**s the connection of windows and other to ETICS. **weber Anschlussdicht**t is a 2-component, highly flexible multi-use waterproofing product. The universal compound offers a **wide range of applications around the window**. Among other things, it is suitable as second waterproofing layer under window sills or as an adhesive for natural and artificial stone window sills. It dries through **regardless of weather conditions** and can therefore be **applied without any problems** also at low temperatures. After full drying this product can be covered by a render or a paint in accordance with the requirements.
An official approval for this waterproofing solution is available.

Benefits at one glance:

- highly flexible
- quick drying out also at low temperatures
- suitable for all mineral substrates

Info about weber Anschlussdicht

The weber pluscalc lime plaster range

Best climate indoors

weber pluscalc combines the advantages of lime plaster with particularly easy processing.

The hybrid plaster **weber pluscalc** combines the positive physical properties of lime plasters with a light and smooth consistency. The indoor plaster hardens with low tension and thus offers a high crack resistance. **weber pluscal** is suitable for all interior rooms, including wet-duty rooms, like domestic kitchens or bathrooms.

The indoor plaster is completed by a lime-based thin-layer skimcoat. **weber pluscalc Glätte** provides silky smooth surfaces up to the highest quality level (Q 4). The optimum finish for the indoor plaster system is given by **weber pluscalc Innenfarbe**. The high-quality of the potassium water glass-based paint maintains the permeability to water vapour and the moisture-regulating performance of the plaster system. The paint is free of solvents and volatile organic substances (VOC). Like all plasters of the Weber lime plaster range **weber pluscalc** is also entitled to bear the seal **„Blue Angel“**.

Info about
weber pluscalc

www.blauer-engel.de/uz198

Info about
weber.dur 112
fire-resistant render

weber.dur 112
fire-resistant render

More safety in case of fire

Trouble shooter for renovation

When older buildings are converted, the question of contemporary fire protection regularly arises. Concrete ceilings from the 1950s and 1960s are often only 8 to 12 centimetres thick, whereas today at least 25 centimetres are standard to ensure adequate fire resistance. However, demolishing old concrete buildings means wasting large amounts of grey energy.
A sustainable alternative is the fire protection upgrading with the **fire resistant render weber.dur 112.** The lime-cement render can be easily applied to walls, ceilings and columns of steel-reinforced concrete. A layer of only 10 to 30 millimetres is sufficient to significantly increase the resistance of buildings against fire. In case of fire the fire-resistant render protects structures from overloading of electrical installations for longer, so that all residents can leave the building.

weber.dur 112 has a **European Technical Assessment (ETA22/0575)** and also meets the increased requirements for fire protection in tunnel construction.

Benefits at one glance:

- radon gas-tight
- fast through-drying in 2.5 hours.[1)], resistant to pressure water of 1.0 bar after 24 hours
- can be covered with paint or render
- with official approval (Germany)

[1)] at 23°/50 % r.LF.

Info about weber.tec Superflex D 24

weber.tec Superflex D 24
reactive thick-layer coating 2-comp. quick-setting

Reliable waterproofing in cold and warmth

Protection against moisture and radon gas

Featherlight and easy processing, that is what our quick-setting and highly flexible waterproofing coating **weber.tec Superflex D 24** stands out. Thanks to its reactive curing process the material reliably dries through without any problem also at low temperatures till +1°C. After already 24 hours the bitumen-free thick-layer coating withstands a water pressure of 1 bar and allows the backfilling of the excavation one day after the completion of the water-proofing works.

weber.tec Superflex D 24 can be used for external waterproofing of basement walls, facade socket areas, internal waterproofing, water tank waterproofing, horizontal damp-proof course, watertight bondcoat and levelling scratch layer or glue for insulation boards. On top **weber.tec Superflex D 24** together with the watertight foil **weber.sys 982** is convenient for the waterproofing of flush-floor windows installed on the socket part of facades.

With **weber flextime,** Saint-Gobain Weber offers support for the application of **weber.tec Superflex D 24** on very hot days. Thanks to the pot life retarder the working time of the bitumen-free thick-layer coating is prolonged and the works can also be pleasantly decelerated even at high temperatures. The application can be carried out clearly without time pressure. The system thus enables a simple and reliable planning of waterproofing works all year round.
An additional asset: the waterproofing coating **weber.tec Superflex D 24** does not only protect reliably against moisture, but it also prevents the penetration of radon gas through the building envelope. Radon is a naturally occurring, radioactive noble gas that is formed in the ground through the decay of uranium. It penetrates into buildings through unprotected, cracked foundations or basement walls. If radon accumulates in higher concentration in closed rooms, the risk of lung cancer increases significantly.

The full-surface basement waterproofing with the highly flexible, reactive thick-layer coating **weber.tec Superflex D 24** reliably protects residents against radon gas.

The weber basement internal renovation system

Revitalize basement rooms

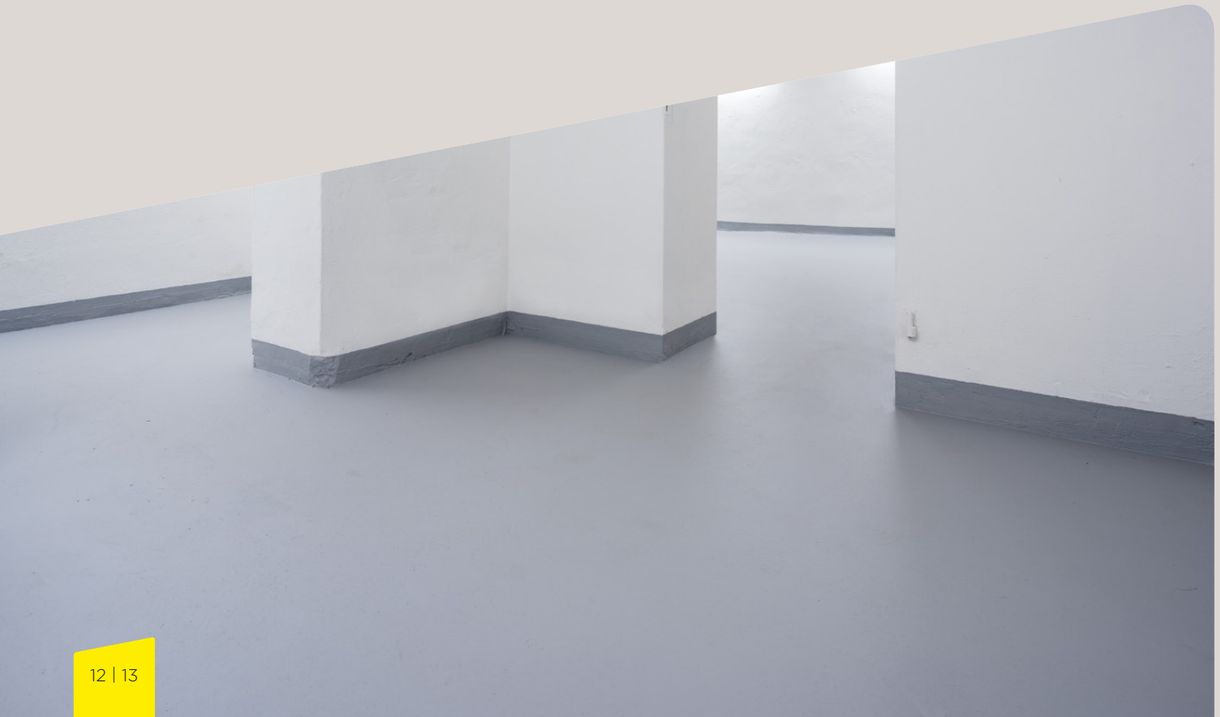
Basement floor renovation in one day

Whether after a flood event, because of penetrating moisture or because the space in the basement is to be used as living space: There are many good reasons to renovate basements. Saint-Gobain Weber has developed a simple and safe renovation system for interior basement walls and floors, which saves valuable time during application and allows compact planning at peak times. The system offers the right solution for any load on the floor and masonry due to salts, wetness or rising damp, the system offers a reliable solution.

The basic point for any higher-quality utilization of basement rooms is a dry masonry. For protection against capillary rising damp **weber.tec 946**. is suitable. The ready-to-use injection cream is injected into the masonry walls via drilled holes and forms an effective barrier against rising damp.

The self-levelling floor watertight compound **weber.tec 932** waterproofs in a quick and reliable way and levels in just one operation. There is no need waiting time between each working step or for repeated approaches. After hardening the thin-layer floor renovation system rapidly sets and is **open to foot traffic** after only **3 - 5 hours.** The hardened material is resistant to pressure and abrasion; it can receive a flooring or be used directly.

The system for the internal renovation is completed by the high-yield and fast-setting damp-proof plaster **weber.san 958 WTA**.
The product is mainly used on the internal side of damp and salt-loaded masonry basement walls. It provides a good drying-out of soaked masonry and absorbs emerging salt crystals. The damp-proof plaster can be applied without an additional pre-spray mortar as bondcoat in one layer up to 40 mm-thickness.



Info about
Weber basement internal
renovation system

Sustainable tile fixing system

Green base

More comfort
Less CO2.

More and more people want to actively contribute to the climate change and consciously choose eco-friendly and resource-saving products. Environmental aspects are increasingly shaping purchasing decisions. This is especially true for building materials in the interior, because what pollutes the environment usually also harms one's own health.

Saint-Gobain Weber would like to support this development and unifies CO2-reduced tile fixing products in a tested sustainable system in 2023. It initially consists of four products for typical applications in residential and wet-duty areas: one liquid waterproofing foil, two tile adhesives and one grout. The system has a lower carbon footprint compared to conventional products; the reduction is up to **75 per cent**. In addition, all products are supplied in packagings of mainly recycled material. Weber thus offers planners, architects, building contractors, tile layers and the specialist tile trade a coordinated system of sustainable products and the possibility of laying tiles in a climate-friendly way.

Additional asset: the system-compliant adhesives are not only sustainable, but also significantly less skin-irritating than conventional ones.

The green Weber range will be implemented step by step by further solutions.

Info about sustainable tile fixing system

Self levelling smoothing mortar weber.plan 813-20

For feel-good places

Runs smoothly by itself

Underfloor heating systems are at the top of the wish list of building owners. The cosy warmth from below is becoming increasingly popular. In addition, a household with underfloor heating can save around ten percent energy in comparison with a household with radiators. The installation materials must also be matched to the underfloor heating, so that these advantages can fully develop.

Our answer is **weber.plan 813-20**, a self-levelling, fast-setting floor levelling compound that can be used as bonded system on heated screeds. The premium levelling compound **weber.plan 813-20** iis pumpable and flow-grade and forms a load-bearing substrate for all common and also demanding floor coverings such as ceramics and natural stones. Thanks to excellent self-levelling properties, it produces super-levelled and extremely flat surfaces as well as low installation heights, which are ideally suited to accommodate large-format tiles. The product is characterized by a low shrinkage and a low-stress; it is early open to pedestrian traffic, quickly ready for floor covering and has been awarded with the **EC 1 PLUS-seal** for particularly low-emission building materials.

Info about
weber.plan 813-20

Info about
weber.xerm 844

4-in-1:
waterproofing, bonding, decoupling, impact sound insulation

One for all

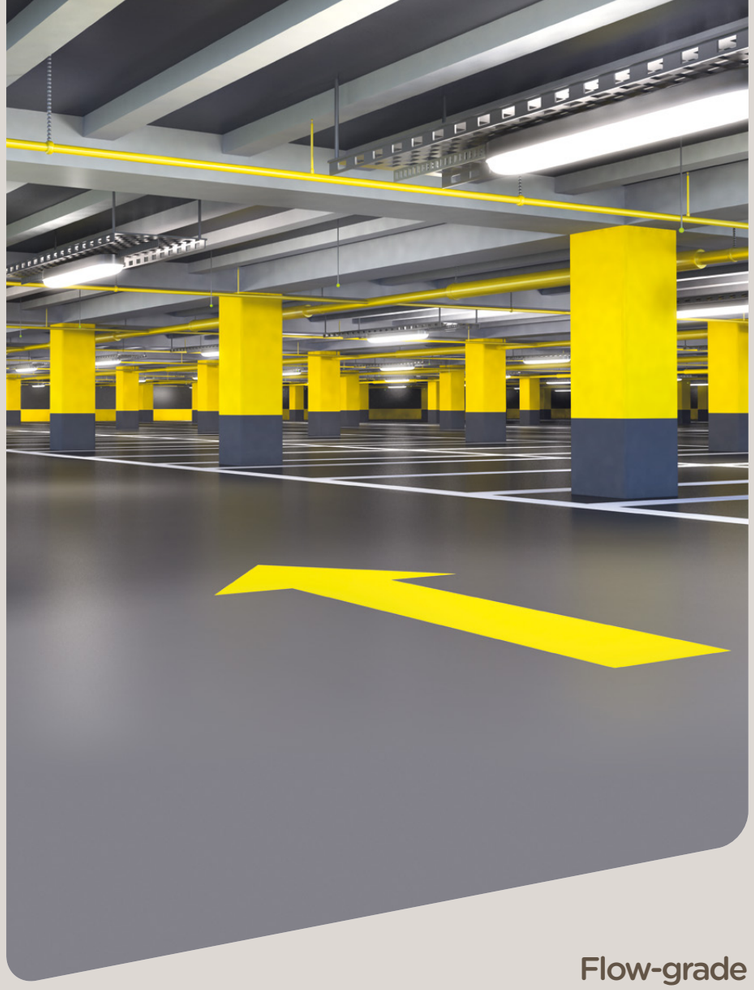
The all-rounder for indoors and outdoors

weber.xerm 844 is a highly flexible 2-component system which combines four application fields. The system is waterproof, and it can be used as reactive waterproofing under tiles and slabs and at the same time as premium high-end tile adhesive. Due to its weather-independent setting and quick drying **weber.xerm 844** provides highest reliability again moisture damages in case of high water loads.

Where hard materials like tiles and substrate meet, floor impact sound and tensions are transmitted uninhibitedly. With **weber.xerm 844** Saint-Gobain Weber has developed a highly elastic waterproofing and bonding system that solves these problems. Thanks to its high flexibility, **weber.xerm 844** serves also as de-coupling layer for tension relief between the substrate and the material to be laid. In particular the flexible material increases the application reliability and reduces the risk of cracks in the areas with tile recesses around columns and outer corners. **Additional plus:** disturbing floor impact sound is reduced by installing **weber.xerm 844** by up to 7 decibels.

The innovative professional solution simplifies the workflow! The risk of using the wrong product is reduced, and fewer different products need to be kept in stock.

Info about
weber.floor 4640
Outdoor RepFlow



Flow-grade
concrete replacement mortar
weber.floor 4640 Outdoor RepFlow

Problem solving from underground car park to bridge

Your new favourite product: Flow-grade, pumpable, extremely resilient

With **weber.floor 4640 Outdoor RepFlow** Weber offers the first concrete replacement mortar in Germany that can be processed with modern pump technology. This allows large areas to be placed in just a few hours - an invaluable advantage for time-critical or delayed construction projects. The material is pumped by hose from a silo or the **Weber MixMobil** directly to the job site, where it is poured while standing and finished by using a wobbling bar.

Compared to conventional processing, this can save up to 90% of the working time.

The flowable concrete replacement mortar of class R4 can be used directly in case of medium loads, but can also be coated. It can also be used as a levelling compound of class CT-C50-F7-AR1 on concrete substrates. Recently, the system, including the bonding primer **weber.floor 4716** and the corrosion protection **weber.rep KB duo**, according to the TR Maintenance (Technical Rule for Maintenance of Concrete Structures) in Germany, and is therefore also suitable as structural repair mortar for static-relevant buildings, such as bridges or extensions/storeys.

weber.floor machine technology

The engine for your success

Complete solutions for the flooring construction

With the **Weber MixMobil**, the **weber.floor Mini PumpTruck** and the **weber.floor PumpTruck** Weber offers the right mechanical equipment for every construction project. The **Weber MixMobil** pumps screeds up to a layer thickness of 100 mm directly to the job site.

The **weber.floor Mini PumpTruck** is ideal for levelling works and thin-layer screeds from 1,000 kg input with material in bags. The supply (conveyor) unit depends on your construction site. We now offer the FMP 40 conveyor unit, which was specially developed for the needs of floor layers. It is particularly easy to handle, very convenient to fill thanks to a special attachment and only requires a power connection of 400 volts/16 amps, which is available in most households/garages. Its classic field of application is the floor installation in residential units.

With a performance of up to 1,500 m² per hour, the **weber.floor PumpTruck** is a real powerhouse. This allows a new floor to be laid within a few hours, even on large areas.

Info about
weber.floor
machine technology

Warm and quiet: More comfort thanks to floors

The floor systems for the heat turnaround

Underfloor heating systems are now standard in new residential, but they are also becoming more and more popular in renovation projects. No wonder: they work with lower flow temperatures, are thus compatible with heat pumps and more climate-friendly than conventional heating systems. In addition, they distribute the heat better and thus increase living comfort.

The underfloor heating systems often have to be embedded in thin-layer screeds and and levelling compounds that optimally transmit the heat. Here, Weber offers a selection of high-quality screeds and levelling compounds, both cement- or calcium sulphate-based, such as **weber.floor 4365.** Due to their particularly low construction height, they are especially suitable for upgrading underfloor heating systems in existing buildings. Contact us: Weber cooperates with manufacturers of underfloor heating systems and supports professional floor layers with practical installation recommendations.

Another topic in floor renovations in multi-storey residential buildings is the post-applied impact sound insulation. In existing buildings, there are often planning limits for the floor in terms of installation height and weight. In such cases, it is important to ensure maximum impact sound improvement with a minimum system construction height. Weber offers two impact sound insulation systems for this purpose. The first one has an impact sound reduction of up to 29 decibels with a construction height of 40 millimetres. The second one reduces impact sound by up to 17 decibels and is extremely slim with an installation height of only 28 millimetres. The thin-layer cement screed **weber.floor 4365** is used in both systems. The low-emission thin screed can be early covered with a flooring and be installed quickly and with low dust with the **weber.floor machine technology.**

Info about weber.floor floor systems

Notes

www.de.weber

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