# **about**Comparison of the Schüco UK magazine for innovative homeowners.

ROOMS WITH A VIEW

Passing the Schüco test – sky-high quality in Europe's tallest residential building

ISSUE 01 // JULY 2020

SCHÜCO





Welcome to the first issue of abode. There's a big difference between improving a house and creating a home and that's why we've launched this free magazine for homeowners. We want to inspire you with examples of how Schüco windows and doors are transforming homes and making dream homes a reality.

We all have a need for a place to call 'home' – a fact that's been brought more sharply into focus during the Covid-19 pandemic. Home gives us security, belonging and identity. It's a safe place and home to all we love. It's a place where we can create spaces that make the best of our homes, and our lives.

In this magazine, we showcase Schüco smart home solutions as well as inspirational stories of innovative house projects in the UK and abroad to give you an insight into what's possible and what our skilled network of specialists and partners can do for vou.

Investing in our home is the biggest investment we make, so working with experts who understand the right solution for your home improvement project could be one of the best decisions you make...

# SEAN BUTLER COMMERCIAL DIRECTOR, SCHÜCO UK

# **ROOMS WITH** A VIEW

Floor-to-ceiling windows for Europe's tallest residential building take high quality to new heights

# LANDSCAPE LIVING

As more homeowners crave light and space, Schüco panoramic sliding doors let the light stream in

# MY ABODE

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How to make your dream home a reality by talking to Schüco, our partners and specialists

Abode is the homeowners' magazine produced for Schüco UK by Sequel Group www.schueco.co.uk



# Reimagining space for modern day living

With much of Britain's housing stock dating back over 150 years, adapting Victorian homes to meet modern ways of living is on the rise. abode takes a closer look at one refurbished home that blended the old and the new with award-winning results.

PHOTOGRAPHS: LOGAN PHOTOGRAPHY

ictorian houses are a defining feature of most British cities and towns. Millions of homes were built in successive housing booms as rural workers flooded cities to look for work after the Industrial Revolution.

Prized for their generous-sized rooms, high ceilings and ornate features, the British have an ongoing love affair with Victorian houses. They're now sought after by buyers willing to pay up to 15 percent more for this period than for a more modern house.

One home improvement project in Putney, South London, is an impressive example of a sensitive modernisation of a typical early-Victorian home. The Felsham Road property won the Individual House Improvement category in the 2019 Schüco Excellence Awards for its radical reworking that imaginatively blurred the worlds of old and new.

A previous owner of the semi-detached house had built a substantial two-storey extension at the back of the house. It created a dining room at ground level and a bedroom above, but this still didn't improve the flow of the main house or make the best use of its potential connection to the garden.

The new owner asked architects Giles & Pike to remodel the house to bring the house right up to date. The owner wanted to expand, creating more living space, a sense of open living so that the family could spend time together. And, making the most of the light, bringing the outside in and connecting it more effectively to the house, completed the wish list.

The bold and bright redesign transformed the back of the house, creating double-height rooms which made the house bigger and let more light into the living area – maximising the potential of this Putney home.

The existing extension was still included →

in the new layout which helped with the planning permission, as well as making the project turnaround far quicker and saving money. The original ground floor extension was removed and underneath it, the ground was excavated. This simple idea unlocked the potential of this family's home, with the creation of a new double-height space at the back of the house.

The natural light-filled space is a generous size and links the original building with the existing and new extensions more effectively than before. The large areas of clear, frameless glass provide views of the rear garden and connect the entrance from the front of the house to the back.

"Once we had agreed the concept," says the architect, "the project just fell into place."

Thanks to new full-width glazing, spaces which were previously dark and uninviting are now flooded with natural light and offer fantastic views of the trees overhead.

The side of the extension facing the garden is accessed by a full-width Schüco sliding door system that opens up the internal space into the garden area. The sliding vents of this thermally insulated system run smoothly and are extremely low maintenance.

The project also uses the Schüco AWS 65 window system and AWS 70.HI bottomhung windows, all designed and installed by specialist contractor L2i. In the winter, heat loss through these windows is minimal, helping to keep energy costs down.

With choice on the market, what made the architects choose Schüco?

Matt Giles of Giles & Pike said: "When we needed quality systems that had been tried and tested, Schüco was the obvious choice." (4)

The annual Schüco Excellence Awards are run in partnership with *Architecture Today*. Now in their seventh year, the Excellence Awards recognise outstanding contemporary architecture in the UK and Ireland.





Unforgettable views deserve stand-out windows, which is why developer Chalegrove Properties enlisted the help of Schüco for its prestigious £200-million residential project.

At 75 floors high, Landmark Pinnacle is one of London's tallest residential towers. Standing at the edge of Canary Wharf, these luxury homes enjoy uninterrupted views down the River Thames and across the entire city. From the building, you can see London city centre and all the way along the Thames, then to the Olympic Park in the north and views south towards Greenwich.

And the height? It's the kind of view that you usually only get from an aeroplane.

The challenge was to deliver floor-to-ceiling windows that had to combine a sleek appearance with high functionality: to look good and to work effectively. Being in such a prominent position, the windows also needed to withstand the high winds and safety challenges associated with a 239m skyscraper by the River Thames.

"Landmark Pinnacle is the last building in a masterplan we've been creating over the past

20 years with Chalegrove," says Henry Squire, partner at architects Squire and Partners.

Schüco Pre-Construction Director Stephen Tanno adds: "Chalegrove Properties approached us because we're renowned as market leaders for our quality and expertise."

For residents of the 1,000 apartments, Landmark Pinnacle's key advantage is its unbelievable views, so the choice of façades was critical to the building's success.

Squire and Partners were keen to have full-height sliding doors that would create a terrace when opened, and would fit flush to the building's exterior when closed. To do this, Schüco developed an ingenious mechanism that draws the sliding door inwards before it opens.

"Balancing the need for great views with uncompromised security and accessibility was also a key consideration," adds Stephen. "We included an internal safety barrier behind the sliding windows, which we designed to be easily accessible for any resident."

Once the designs were finalised, the façade system went through a rigorous testing



Landmark Pinnacle is due to open this year



process at our specialist Schüco Technology Center. Independently accredited, it is one of the world's leading test centres for the building envelope and ensures that all Schüco window and door solutions pass national, European and international standards and guidelines.

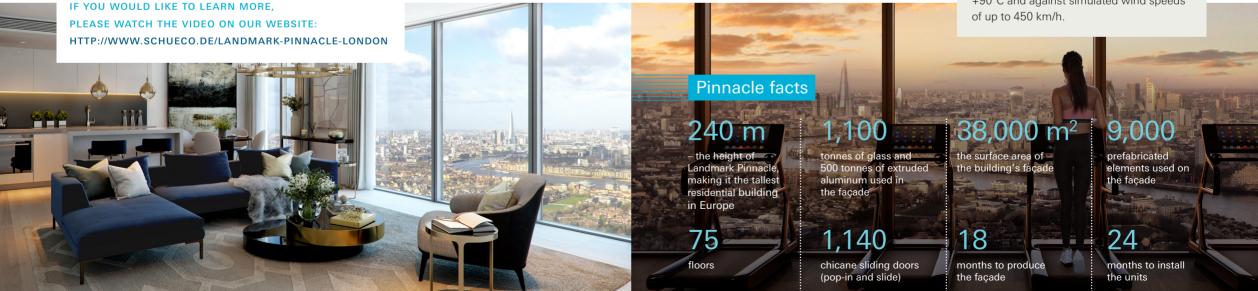
As well framing those amazing views, what else makes Landmark Pinnacle and skyscraper living so special?

"The three amenity spaces within the building are entire floors for residents to use. It's a bit like villages in the sky including childrens' play spaces, a private cinema, function rooms, walking areas and gyms, which will contribute to building community in Landmark Pinnacle," says Henry Squire. (4)

### PASSING THE SCHÜCO TEST

Our Schüco Technology Center in Bielefeld, Germany, has a new test facility that takes resistance testing to a higher level.

What we call the 'ice princess' carries out tests on windows, doors and façades across a temperature range from -20°C to +90°C and against simulated wind speeds of up to 450 km/h





# Future thinking, today

From a net zero ambition to repurposing fishing nets for carpets, Schüco is championing sustainability and urban living.

For Schüco, sustainability means thinking about the future sooner. In a fast-changing energy and technological landscape, we're rising to the challenge of future-proofing the design, construction and operation of properties economically, ecologically and socially.

Schüco is doing this by using industry-leading tools and ideas to find the best future potential for products and materials, driving higher sustainability standards for us and the partners we work with.

Today, cities account for 75 percent of worldwide energy use and 80 percent of all greenhouse gases so this relentless rise of urban areas needs innovative thinking on how we plan, source, build and connect living and work spaces.

### 360° SUSTAINABILITY

Our 360° sustainability approach is based on the entire lifecycle of a product, from the initial decision through to design, manufacture, installation and use. We then ask how the product can be dismantled and fed back into the recycling process.

We're leading practitioners of the Cradle to Cradle initiative (C2C), a kind of super-recycling process for biodegradable, nondurable and durable consumer goods broken down to their raw materials and reused.

The forward-thinking in C2C means every product must prove it is free of pollutants and made using renewable energy. All recycled materials retain their quality and there's no waste. Schüco currently has 43 systems certified with C2C Silver status, making them easily convertible for future use.

# FROM OLD TO NEW, AGAIN AND AGAIN

As a leading construction company, it's a shared responsibility. With 50 percent of global consumption of raw materials attributed to the construction industry, it's vital we keep driving high-quality recycling and ways to recirculate resources and materials.

Our pioneering approach to sustainability includes a focus on aluminium and steel as materials most suitable for recycling − 98 percent of all aluminium windows and facades are fed back into in the recycling loop. →

# SERIOUS ABOUT LONG-TERM SUSTAINABILITY

Facilities Manager Bryan Crow is meeting the task of bringing the Schüco sustainability approach to life at our own UK head office in Milton Keynes.

Bryan, pictured below, is part of a global Schüco network that's driving a common standard for sustainability practice and culture across the business.

We've moved all our information and communication online; we share ideas, best practice and meet virtually to keep our carbon footprint to a minimum.

"It's not only about products, but an attitude and way of working for everyone. We're building a culture where all employees contribute to sustainability goals and tell us how we could improve," says Bryan.

The business has set targets on every aspect of its materials and products. In the past 12 months, Schüco has increased the amount of waste diverted from landfill from 74 percent to 98 percent, in a partnership with Biffa.

Schüco is also searching for the right materials: some of the new UK office carpets are made from re-purposed nylon from fishing nets in the Philippines.

Bryan adds: "The idea of the 'green building' is gaining pace quickly in the UK and that means our own offices too. We want the workplace to offer the right blend of health, wellbeing and environmental standards. It's another signal that we're serious about doing things the right way, long-term."

### CASE STUDY: THE ULTIMATE GREEN HOUSE

A house under development in Oxfordshire is raising the bar for domestic energy conservation.

Construction on the house began in August and includes multiple Schüco doors and windows tailored to meet tough 'passive house' standards on energy and heat transfer.

Hershika Kerai is Business Manager for Schüco fabricator Aumaxum, working with A-Zero Architects and Studio Fip, which carried out the rendering. "This house is very exciting and our first 'passive house' project. It's been challenging technically, and we've developed several highly bespoke products with Schüco to meet very specific energy requirements," she says.

# What is a 'passive house'?

These buildings don't require conventional heating systems and limit total energy use from heating, hot water and electricity to less than 120 kWh/m²/year. More than 37,000 buildings have been built to the standard, mostly in Germany and Austria.







Energy efficiency

<80%

reduced energy thanks to using efficient insulation from Schüco windows

2021

The date by which all new buildings must be almost zeroenergy, in line with EU law

98%

of Schüco office lighting is LED; each bulb can be programmed only to be on when needed



Recycling

40%

approx. amount of aluminium products from construction recycled

ASI

Schüco is a founding member of the Aluminium Stewardship Initiative

98%

f all Schüco waste is diverted com landfill in the LIK



CC

40%

of all CO<sub>2</sub> emissions in Europe are caused by buildings

2020

Schüco will set sciencebased climate protection objectives, in line with the Science Based Targets initiative

# MY FABULOUS ABODE

Amazing improvement projects in the UK are using Schüco products to create great homes for everyday living.

# CREATING A HEART FOR A HOME

Eye-catching glazing makes for a stunning first impression at Arun Pindoria's new-build home in Stanmore, Greater London.

"I chose Schüco systems because they look good and add a touch of class to the house, particularly in the kitchen-living area, which is probably our favourite room!" said Mr Pindoria.

The spacious kitchen-living area dominates the back of the house and features inwardopening ASS 70 FD bi-folding doors and an integrated glass

balcony system for the firstfloor bedroom.

Schüco systems used during the five-month installation project at the detached. modern house include uniquely shaped AWS 70 SC windows, bespoke skylights, a Schüco balcony system, ADS 70 HI single doors and an ADS/AWS 75 SI entrance door.

"The installer, Aumaxum, did a fantastic job and the result is everything that I was hoping for and more," Mr Pindoria added.





# **BEACH FRONT ELEGANCE**

Two newly built beach-front homes in Felixstowe, Suffolk, enjoy fabulous views of the coast for delighted owners. framed by stunning Schüco windows and doors that have been built to withstand the elements by our partner, SiteFix.

The beach-side position means lots of exposure to high winds and rain coming off the North Sea, so SiteFix worked with Schüco to source a tough, blue-grey anodised finish that would protect the systems from corrosion.

Using anodised coatings creates challenges in colour matching and fabricating the systems, but the finished product looks good and will last.

Schüco systems used on the properties include AWS 70 SC casement windows, AWS 70 SC HI tilt-before-turn windows, ASS 50 sliding doors and ADS 70 HI single doors.

# A BRILLIANT FIT

A traditional house in Beaconsfield has been transformed to make the most of the garden and natural light.

A total of 30 Schüco windows. five doors and two skylights were fitted by Schüco partner Bifold Door Factory in the renovation, with the crowning glory being a light-filled openplan kitchen-living area at the rear of the property.

Light floods into the room through two large sliding doors

and skylights, creating a bright and airy open-plan kitchen and living space with an extensive view of the garden.

Owner Riaz Hameed says: "We wanted windows and doors that were manufactured and installed to the highest standards.

"They were made and installed perfectly and fit in brilliantly with our vision of combining the house's original features with a contemporary feel.

"If I had to pick a favourite room it would be our living area. The slimline sliding doors, huge glass panels and bespoke skylights bring so much natural light into the room," the owner adds.

Schüco systems used on the renovation include ASS 70 and ADS 75 door systems, a Schüco balustrade, AWS 70 SC window system, AWS 70.HI tilt-before-turn and standard outward system.



to prUK@schueco.com and we will get in touch with you.

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# Wherever you are on holiday, you're probably not far from a Schüco home!

This holiday home, with its huge panoramic façades, and impressive design, is perched on a mountain in Ålesund, Norway.

"I have to be out in nature because that's a big part of my life," says owner Andreas. "These mountains are special because I've been on holiday here every year since I was around two years old."

Modern and traditional have been woven together, with narrow-framed glass, rusted Corten steel plates and wood panels in this innovative family holiday residence, called Black Lodge.

The new house is on the site of a family cabin built by his grandfather in the 60s, and Andreas worked with architects Invit Arkitekter to create a modern, yet cosy

retreat, complete with sweeping mountain views – a private, yet special holiday home for his family.

The architect took inspiration from the family's story and connection with nature to design a three-section concept home that both draws in, and becomes part of, the stunning landscape.

Huge panoramic openings mean that the ever-changing mountain landscape is on view – and even on the coldest days, the home stays cozy and warm.

Andreas says: "Being here makes me calm and relaxed, away from the stresses of life and focused on nature."

A key challenge for the construction was the region's extreme climate, which can range from almost 30°C in summer down to -10°C and heavy snowfall in winter, but

PHOTOGRAPHY: INVIT ARKITEKTER ÅLESUND PHOTOGRAPHER: JOHAN HOLMQUIST thanks to the highly insulated systems and triple glazing, the cabin is well equipped for any weather.

The central living room features the building's most spectacular viewpoint, with cross-corner panorama glazing looking out over the spectacular scenery.

Ålesund is famed for its spectactular natural landscapes where mountains and fjords meet the ocean.

Energy loss is drastically reduced in this area of short, cool summers and long, very cold wet winters. For the days when the weather is fine – and not too cold – Andreas and his family can make the most of the living room's geometrically designed floor-to-ceiling glazing which seamlessly opens on to the terrace.

With its rusted steel cladding, aluminium, and extensive use of glass, Black Lodge reflects the latest trends in modern architecture and is at home with the landscape. (4)



### PROJECT FACT FILE

Project title: Black Lodge, Ålesund, Norway

Design: Invit Arkitekter, Ålesund

Schüco system partner: Straumsheim Glass

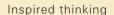
og Fasade, Straumgjerde

Timber structures: Gingabygg, Ålesund

Total living space: 165 m<sup>2</sup>

Design and construction: 2013-2015

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# THE JOY OF DE-CLUTTERING

She's turning de-cluttering into an art form and encouraging millions to ask if their possessions spark joy - Marie Kondo's approach celebrates beautiful simplicity in our homes.

De-cluttering guru Marie Kondo advocates a positive approach; a 'tidying festival' rather than a tedious clear-out session. In her books and Netflix series she aims to help people tidy their spaces by choosing joy.

WILLIAM MORRIS, 19TH CENTURY BRITISH ARTS

AND CRAFTS MOVEMENT DESIGNER

Inspired by Japanese philosophies, Marie Kondo's 'less is better' approach is encouraging a shift towards less consumerism. It's a focus on the things we own that really matter.

# **CHOOSE WHAT** TO KEEP

The trick is to identify things to keep, not items to ditch. Kondo's philosophy is to keep only those things that speak to the heart, and discard items that no longer spark joy.

### SHOW RESPECT

To get rid of something that was once important or useful to you, thank it for its service - then let it go. Kondo says that her method is partly inspired by the Shinto religion.

### **CLUTTER IS BAD**

It's not just Kondo who says clutter is bad. Research by psychology professor Joseph Ferrari of Chicago's DePaul University found that the more clutter people have, the less satisfied they are with their lives. They are also more stressed and less productive at work.

### **DESIGN STORAGE**

For the things you want to keep, storage is essential; design and use it well. Put favourite pieces on carefully curated display and change regularly.



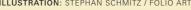
### THE KONDO RULES

- Commit yourself to tidying up
- Imagine a house full of things that spark joy
- Tidy by one category at a time, not by location or rooms
- Follow the right order (clothes, books, papers, miscellaneous items, sentimental items)
- Ask yourself if the item sparks joy. If not, discard it
- Once you have discarded items, you can then store what's left
- Kondo recommends folding clothes, not hanging

'THE QUESTION OF WHAT YOU WANT TO OWN IS REALLY THE QUESTION OF HOW YOU WANT TO LIVE. LEARN HOW TO VISUALISE YOUR IDEAL LIFESTYLE.

MARIE KONDO





Light fantastic

# LANDSCAPE LIVING

We all want more light and space in our homes. Schüco systems' outstanding engineering creates panoramic sliding doors that are slimline, secure and let the light stream in.

> limline panoramic sliding door systems offer unrestricted views from inside your home, let the sunlight flood in and keep the harsh or cold weather out.

A favourite of architects and homeowners alike are highquality windows and sliding doors that are concealed within the ceiling and walls. With this minimalistic appearance and the flush-fitted design that means you see very little of the window and sliding door frame, you can enjoy uninterrupted views of the outside.

Schüco also offers a 90° open corner option for similar maximum views which, when opened, offers uninterrupted boundaries between the inside and outside. With these same level thresholds, you have easy access, life-long housing and can keep out the rain. All this doesn't compromise security - there's even a multi-point locking system to give complete peace of mind.

"Homeowners used to be more concerned with what their house looked like from the outside, but now they are looking for ways to to open out the interiors, flood them with light and









# UNINTERRUPTED VIEWS

Nature blends the outside and the inside in this Swedish home, pictured left, which makes the best of the 360 degree uninterrupted views in the natural surroundings.

The 36m long and 7m wide base rests on a platform foundation, giving it the appearance of floating above the ground and setting a stage from which to enjoy the stunning environment.

The architect's consideration for the landscape means that the ever-changing light outside can be enjoyed inside.

The sliding systems made the concept easy to use, as well as being stylish and sustainable.

Looking back, architect Johnny Andersson says that the house is, "a frame for nature, like a landscape painting!"

Architect: Jordens Arkitekter Schüco system: ASS 50





→ enjoy their gardens and views," says Danny Fitzgerald, National Architectural Manager at Schüco.

With safety and security being primary factors in any door or window opening, Schüco tolerance testing is second to none. And the icing on the cake is that for added comfort, sliding systems with a mechatronic design are easily controlled remotely via a tablet, smartphone or switch.

Intelligent buildings Smart device to control items such as lights, security home systems, energy and entertainment in their home. Discover how Schüco smart access unlocked control systems are bringing convenience, style and leading-edge security to our premium doors.



mart technology is revolutionising our lives - at work, on the move and at home. Yes, we want convenience and mobility but that shouldn't come at the expense of the highest security.

Our three smart access control systems give homeowners security, as well as the style, sophistication and energy efficiency you can expect from a Schüco door.

"We've developed three different front door access systems, because we know our customers value the convenience of cutting-edge technology in the home," explains Schüco Product Manager Stephen Jeffries.

"As more people adopt smart solutions around their homes, we wanted to bring this benefit to our customers. We've incorporated a range of security features that we believe make our products superior to conventional locks."

# DCS SMARTTOUCH

This will be the latest modular door management system for state-of-the-art living - coming soon! It combines ease of use, great design and maximum security with the latest internet technology by bringing together a camera, doorbell and brightness sensor in a single module.

Thanks to an in-built HD camera, the entrance area is always visible from anywhere - even when the residents are not at home. Full HD video door communication also allows you to see and talk to people who are in the entrance area. Thanks to the display, it can be operated as intuitively, simply and effectively as a smartphone.

# SCHÜCO BLUECON

This system embeds Bluetooth technology into our range of premium doors. You can unlock at the touch of a button on your Apple or Android smartphone or Apple Watch.

You can also use the auto-unlock function for contactless access, even when your smartphone is in your pocket. You receive alerts when someone arrives home, thanks to the handy app.

Security is handled seamlessly from our smartphone app and, within minutes, you can alter access permissions and add or remove 'key' holders, a much safer alternative to handing out keys or changing the locks.

# SCHÜCO FINGERPRINT EASY

Another state-of-the-art smart lock, Fingerprint Easy combines our premium quality doors with the convenience of fingerprint recognition to create a lock that's as secure as it is stylish.

Lost keys will be a thing of the past, but not at the expense of leading-edge security. The smart access control system will only work when touched by someone you've verified to use it – and stores up to 99 user profiles!

# **SMART SOCIETY**





41% of people see speakers as the smart technology they most expect to invest in

The US says that global value of the smart4 home market is expected to grow to **\$151.4** billion by 2024





40 billion: the estimated number of connected devices by 2020

57% of the UK population now own at least one smart product





100 million Alexa voice assistants sold in 2019



respondents are interested in smart lighting



£10.8 billion was spent on smart devices in 2019 according to PwC



Our newest smart buildings products are just around the corner and take our innovation to new heights. The ASE 60/80 TT sliding door system, for example, is due to be launched soon, so be sure to visit our website or ask your local showroom for more information.

# THE INSTAGRAM EFFECT

AS 85 PERCENT OF CONSUMERS SAY THAT USER-GENERATED IMAGERY IS MORE INFLUENTIAL THAN A BRAND'S PHOTOS, WE TAKE A LOOK AT HOW INSTAGRAM, THE 'KING' OF SOCIAL MEDIA, IS INSPIRING THE UK HOME IMPROVEMENT MARKET.



Research by London-based property maintenance company Aspect. Go to #schüco on Instagram to see more of our home solutions and stories!

# FIVE SIMPLE STEPS TO MAKING YOUR HOME A SCHÜCO HOME

Time for you to discover why we're so proud of the quality we deliver.

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### CONSULTATION

Visit a showroom near you to find out more about our products. Your Schüco partner provides expert advice and uses our SchüCal software to create a customised solution specially for you. Once you have chosen what you want, your Schüco partner draws up a contract for you to check and agree.

### ORDER

Materials such as profiles and accessories are ordered directly from us, and any glazing and fittings from a contract partner. Material for each order is taken from our UK warehouse and sent to the specialist works to be made into your order. After surface treatment, the elements (profiles) are delivered to your local partner.

### MANUFACTURE

Once your local partner receives the profiles, your product is put together by specially trained staff with machinery ensuring that the dimensions are correct and quality remains high.

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05

# DELIVERY AND INSTALLATION

The finished products are delivered to your home and installed by certified experts.

The glazing is fitted after

installation of the profiles. It might involve a crane as the glass sizes can be pretty big!

# FINISHED PRODUCT AND AFTER SALES SUPPORT

You're done! You can now enjoy the full advantages of your special door or window in your own home.

# TOGETHER, WE BRING EXCELLENCE TO LIFE.

If you love what you have seen here in *abode*, please get in touch with your nearest Schüco partner.

Find them on www.schueco.co.uk

You can also contact Schüco direct by phoning 01908 289111

or email us on mkinfobox@schueco.com

# Restoring history for a modern world

