



A company of the **SCHWENG** Group

Summer garden & patio canopy S400 & S350



Release: 10/2024



Why AMTS

Your partner for aluminum products

Innovative products ■ Friendly staff ■ Fast service



In-house production

We are a TÜV-certified manufacturer of patio canopies, summer gardens, flat roof carports and vertical awnings. All materials come from Europe and can therefore be delivered quickly.



Patented systems

Thanks to their unique features, such as the revolutionary double chamber system, our S400 profile systems for patio canopies and summer gardens and our C600+ flat roof carport have even been patented.



Personalized advertising material

We provide you with personalized and individual advertising materials and sales documents such as brochures, flyers, offer folders, price lists and much more for the sale of your products.



Competent consulting

We provide you with a dedicated contact person who will support you in your planning with years of expertise in the field of installation and construction technology. We attach particular importance to the external presentation of YOUR brand.



Quality

We only use high-quality, powder-coated aluminum to manufacture our products.



Simple installation

Our products are particularly easy to install thanks to the modular system and the instructions supplied.



Samples

We provide you with product samples so that you are optimally equipped for the presentation to your customer.



Short delivery time

We offer you very short delivery times, which can also be customized by agreement.



Extensive product portfolio

We offer you a large product portfolio from various areas of installation and construction technology.



Free pick-up

You can pick up the products free of charge from one of our 17 stores in Germany and Austria.

S350 Patio canopy

The S350 aluminum patio cover offers a cost-effective alternative to the S400 without compromising on quality. It is ideal as stylish and year-round patio protection.

The S350 not only impresses with its functionality, but also with its high-quality workmanship.

Every detail is carefully executed, from the precise connections to the elegantly coated surfaces.

Benefits at a glance

- is made of aluminum - extremely weather-resistant
- offers protection from the weather
- modular retrofitting possible
- 10-year manufacturer's warranty on all aluminum components

PRODUCT INFOS

Size

Individual module

max. 7.00m x 3.50m x 3.00m (W x D x H)
The system can be coupled endlessly in width.

Roofing



Laminated safety glass | Polycarbonate
Solar glass

Standard inclination 8° (14cm/m)
Can be realized with a restriction of 5° - 12°

Drainage via integrated rain gutter
Hidden by the post

Snow load assumption 75 kg/m²

Installation type



Freestanding | Wall-mounted

Shading options



Roof-mounted awning | Under-roof awning



Vertical awning | Sun sail

Equipment options

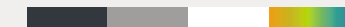


Side panels | Equipment room



Radiant heaters | Lighting | Railings
Terrace roof power plant

Profile colors



Our profile system S350

PROFILES



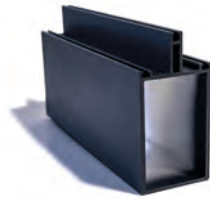
Wall profile



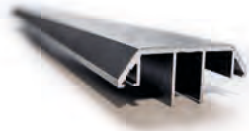
Wall cover



Post



Rafter



Terminal strip



230/110 Joist



Rain gutter



Side cover

Roof types



S400 Summer garden

Our aluminum summer garden is a modern solution for your oasis of well-being. Enjoy your garden, protected from rain, wind and sun, whatever the season. Thanks to the material properties of aluminum, the summer garden is extremely weather-resistant. Unlike a classic patio cover, you have the option of opening or closing the walls of the summer garden and enjoying the weather. A summer garden is not just a roof for your patio, but an oasis of well-being that brings your home and garden closer together. The summer garden is also available as a simple patio cover and can be extended modularly.

Benefits at a glance

- is made of aluminum - extremely weather-resistant
- offers protection from rain, wind and sun
- also available as a patio cover and can be retrofitted in modules
- 10-year manufacturer's warranty on all aluminum components



PRODUKTINFOS

Size

Individual module

max. 7.00m x 5.00m x 3.00m (W x D x H)
The system can be coupled endlessly in width.

Roofing



Laminated safety glass | Polycarbonate
Solar glass
Standard inclination 8° (14cm/m)
Can be realized with a restriction of 5° - 12°

Drainage via integrated rain gutter
Hidden by the post

Snow load assumption 75 kg/m²

Installation type



Freestanding | Wall-mounted

Shading options



Roof-mounted awning | Under-roof awning



Vertical awning | Sun sail

Equipment options



Sliding system | Side panels | Equipment room



Radiant heaters | Lighting | Railings
Terrace roof power plant

Profile colors



Our profile system S400

PROFILE



Wall profile



Wall cover



Post



Rafter



Terminal strip



230/110 Joist



Ranin gutter



Side cover

Roof types



Equipment and variation possibilities

Under-roof awnings

- Available with hand crank, electric motor or radio motor incl. remote control
- Blends in perfectly with the appearance of the patio cover
- Optimum protection from the elements
- Large selection of awning fabrics
- Made to measure production

Rooftop awnings

- Available with electric motor or radio motor incl. remote control
- Installed above the glass, the roof-mounted awnings offer optimum protection against heat build-up
- No loss of height under the rain gutter
- Projection of up to 35 cm above the patio roof possible
- Made to measure production

Sun sail (Peddy Shield)

- Fabric panels running between the rafters
- Manual control using metal rod with plastic hook integrated at the front
- Fabric color white, plain grey or ivory
- Made to measure production
- Individual shading of the canopy per glass panel possible
- Washable up to 40°C

VSZ Vertical awning (own production)

- Available with radio motor incl. remote control (standard) and electric motor
- Vertical awning with side seam guide
- Ideal for preventing sunlight and unpleasant glare at all times
- Also the perfect product for use as a privacy screen
- Made to measure production
- Extensive screen fabric selection



Sliding glass system VG15 (Sun Paradise)

- 10mm ESG glass clear or milky (etched)
- Stainless steel sliding handle
- Can be locked from the inside (also available with lock case as additional equipment)
- Wind and rain protection
- By opening different sides, air circulation within the summer garden is always guaranteed
- Enjoy the patio for longer (early spring to late fall)

Fixed side panel

- 8mm laminated safety glass clear or frosted/16mm polycarbonate clear or frosted
- Panes up to 1.00m wide
- Panes are separated from each other by T-profile and strip

Fiesta patio door (Sun Paradise)

- Patio door with aluminum frame and glass panel
- Optionally also with aluminum filling in the lower area
- Including lock and handle set
- Made to measure
- Triple locking (security lock)



Railing formation

- Railing or balustrade with glass or polycarbonate insert
- Made to measure
- Glass in profile frame
- 110/110 joists as upper and lower frame construction
- Railing construction with opaque, powder-coated aluminum panels

Gable triangle

- Triangular pane for the right or left side of the canopy
- Pane sits in LHTF frame
- Supported underneath by 110/110 joists
- Filling of the gable triangle with 8mm VSG clear or milky, 16mm polycarbonate clear or milky or powder-coated aluminum panels (advantage with panels: No incidence of light through the triangle with possible lateral vertical awning)
- Intended use: for straight attachment of lateral glass sliding systems or vertical awnings

Fixed side wall made of powder-coated aluminum panels:

- 132mm x 4000mm aluminum panels
- Either with tongue and groove for a rain-proof and opaque system or also in rhombus form to provide a certain amount of light incidence or transparency
- Panels guided in U-rails at the top, bottom and sides
- Colors: Anthracite RAL7016S, silver grey RAL7016S, white RAL9016

Siberian larch

- Siberian larch side panel (untreated)
- 140mm x 4000mm boards
- Smooth edge board, planed on 4 sides
- Span width 2.00m (a 60/40 square tube required every 2.00m)
- Combines the modern patio roof with the natural surroundings of the garden
- A gap between the wooden slats creates a natural incidence of light

Optional extras

- Set of 6 LED's (connection for switch) > 3 Watt / Spot, positioning, ...
- Set of 6 LED's dimmable incl. remote control
- Dark radiant heater 1.8kW incl. remote control

Combinations such as a railing formation with a sliding glass system above are also possible.

Our patio covers can always be retrofitted with the specified equipment options at a later point in time!

recommend

- Apply polyurethane foam to the back of the wall profile
- Apply compression tape between the façade and wall profile to compensate for unevenness in the façade
- Place the polymer joint between the wall profile and the façade

Floor mounting

- Using foundations (insert post into point foundation or screw onto existing foundation using U-profile)
- By means of U-profile (screw post onto existing foundation, concrete slab or wall)
- By means of a steel base (inside or with mounting plate)

For wall mounting we



Difference between summer and winter garden

You can hardly tell the difference between a conservatory and a summer garden. The biggest visual difference is that summer gardens have a lighter construction and therefore appear more delicate. They do not require a heating system and are cheaper to maintain on a day-to-day basis. A conservatory always consists of an insulated construction, such as wood-aluminum or thermally insulated aluminum profiles. As a result, the construction of a conservatory is more complex and more expensive than a summer garden. In contrast to a conservatory, no major building work is required to add a summer garden. Many homeowners have a summer garden retrofitted onto their existing patio. One major advantage is that an existing patio canopy can be extended to create a summer garden. A sliding system also ensures good ventilation on hot summer days. More stringent conditions apply to conservatories in terms of construction measures.

The conservatory can also be used in winter. Of course, there are additional elements for the summer garden, such as radiant heaters or a parking heater. This means that the summer

garden can also be used on cold days.

The comparatively low care and maintenance requirements of the summer garden are another major advantage. Ultimately, a summer garden only requires the usual household cleaning work.

As you would expect, the summer garden also differs from the conservatory in terms of price. Due to better insulation, a conservatory requires an insulated foundation, which in turn is associated with costs. A summer garden, on the other hand, consists of non-insulated aluminum profiles, for example, which are significantly cheaper to produce.

Both constructions look very similar, but function completely differently. Both products have advantages and disadvantages. If you only want to heat when needed, for example with a radiant heater, or if you want to save the annoying costs of a complex foundation, then the summer garden is recommended. Do you also want to use the extended living space on cold days? Then the conservatory is just the thing.





Advantages & disadvantages Summer garden

Pro

- Significantly cheaper alternative to a conservatory
- Does not require an insulated foundation and usually does not require planning permission
- Can be used as a greenhouse
- Can be built on top of an existing patio
- Existing patio canopy can easily be extended to create a summer garden

Contra

- Can only be used as a recreation room in winter with great heating effort
- Frost can form at low temperatures
- No living space
- No thermal insulation



Conservatory

Pro

- Room temperature can be precisely determined
- Can be set up without restrictions
- Extends the living space all year round
- Protected place for plants

Contra

- High costs of the building project
- Planning permission is necessary and always requires an insulated floor slab as a foundation
- High heat loss possible in winter due to large glazed areas and therefore high energy consumption for heating required
- High maintenance costs

Our profile systems (as well as our additional materials) can be used flexibly and are also ideally suited for the following products:

- Entrance canopies/canopies
- Lean-to carports (optionally also including equipment room with aluminum panels, Siberian larch and powder-coated steel doors or aluminum sliding doors)
- Also ideal as a free-standing carport variant
- Bicycle shelters
- Aluminum garden sheds
- Pool enclosures
- Connecting walkways between buildings
- Smoking shelter or smoking cabin
- Wooden shelters
- Waste garbage can enclosures (using aluminum panels)
- Cellar stair canopies
- Bus stops
- Outdoor kitchens
- Balcony roofing



In-house production

AMTS as a TÜV-certified manufacturer

AMTS GmbH is one of Germany's leading companies for the sale, installation and manufacture of roofing of all kinds. The product range includes patio roofs, carports, summer gardens, awnings and other innovations. Our products are manufactured in-house and adapted to the individual needs of our customers. Every product from AMTS is subject to the guidelines and standards of TÜV Süd.



What does TÜV certification mean?

TÜV SÜD is a trusted partner when it comes to solutions for quality, safety and sustainability. TÜV has been creating added value for customers and partners for 150 years - with a comprehensive portfolio of services in the areas of testing and certification. Successful certification therefore means high quality and a high level of confidence in the manufacturer's own products. As a rule, a product must comply with a prescribed standard. Certification of the product and the respective company is voluntary and not required for sale.

The very precise TÜV inspection provides the company with proof of a customer-oriented and structured way of working as well as a high quality standard of the manufactured products. With a TÜV certificate, the consumer can be sure that the work and products of the certified company not only comply with a widespread standard, but also meet the high demands of TÜV Süd. Purchasing a TÜV-certified product is a safe bet.



Products from our in-house production

- Patio canopy
- Summer garden
- Carport
- Flat roof carport
- Awnings

Product development

Thanks to our many years of experience with aluminum, we are convinced that aluminum is the perfect material for outdoor use and have therefore made it our mission to constantly develop new innovative products made from this material. We improve well-known products such as bicycle shelters, garbage can boxes and smoker shelters. Thanks to the outstanding properties of aluminum, AMTS is also developing new innovative products, such as the flat roof carport.





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AMTS GmbH

www.amts-gmbh.de