

CONSERVATORIES AND GLASS ARCHITECTURE





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Dear clients,



our years-long intense cooperation on a personal level with investors and architects which led to the implementation of various non-standard wishes and projects was a challenge which our company met with supreme technique, quality and aesthetics. We are therefore grateful to our clients for providing us with that challenge. We want to continue finding demanding architectu-

ral solutions for our clients' conservatories and glass architecture in the 3rd generation, too. This catalogue will provide you a glance at the way a contemporary company finds solutions for such tasks.

Let our ideas provide you with inspiration. Let us help you make your "conservatory dream" come true.

Sincerely yours, Klaus Rengier

01

Conservatories

The widespread popularity of conservatories and glass architecture experienced a true boom in recent years, as a result of a desire for quality of housing and cultured lifestyle. Sunshine Wintergarten GmbH plays a substantial part in this through the development of appealing and path-breaking constructions. Energy-saving construction measures stimulate this trend as well.











Conservatory -
a place to relax all year round





Individually designed

Sunshine conservatories are always individually designed and custom-made. They are as versatile as our clients' wishes and each product is a little masterpiece, visually enhancing your housing.



688









02

EcoSun Conservatories



EcoSun - energy-saving conservatory The best heat insulation through the super-warm structure

Cosy warm as a fur in winter – pleasant feeling as under the leafy canopy in summer

- Glazing - Heat transfer up to $U_g = 0.5 \text{ W/m}^2\text{K}$
- Profiles - Heat transfer up to $U_f = 0.8 \text{ W/m}^2\text{K}$
- Energy consumption - Low heating costs
- Dwelling quality - Comfort at all seasons

Thanks to EcoSun, you can enjoy your stay in the conservatory, enjoying the pleasant atmosphere and protected against wind and weather during all seasons.



980



980



Detail:
slim eaves execution



filigree
joint connection execution

EcoSun - energy-saving conservatory

Stable as a rock against breaking due to supreme welding technology

In comparison with conventional conservatory unit construction systems, welded aluminium glass roof structures present many benefits concerning aesthetics, shape, diversity, heat insulation, stability, installation time, care and maintenance, as well as life-span. Sunshine Wintergarten conservatories satisfy those requirements and defy extreme weather conditions.





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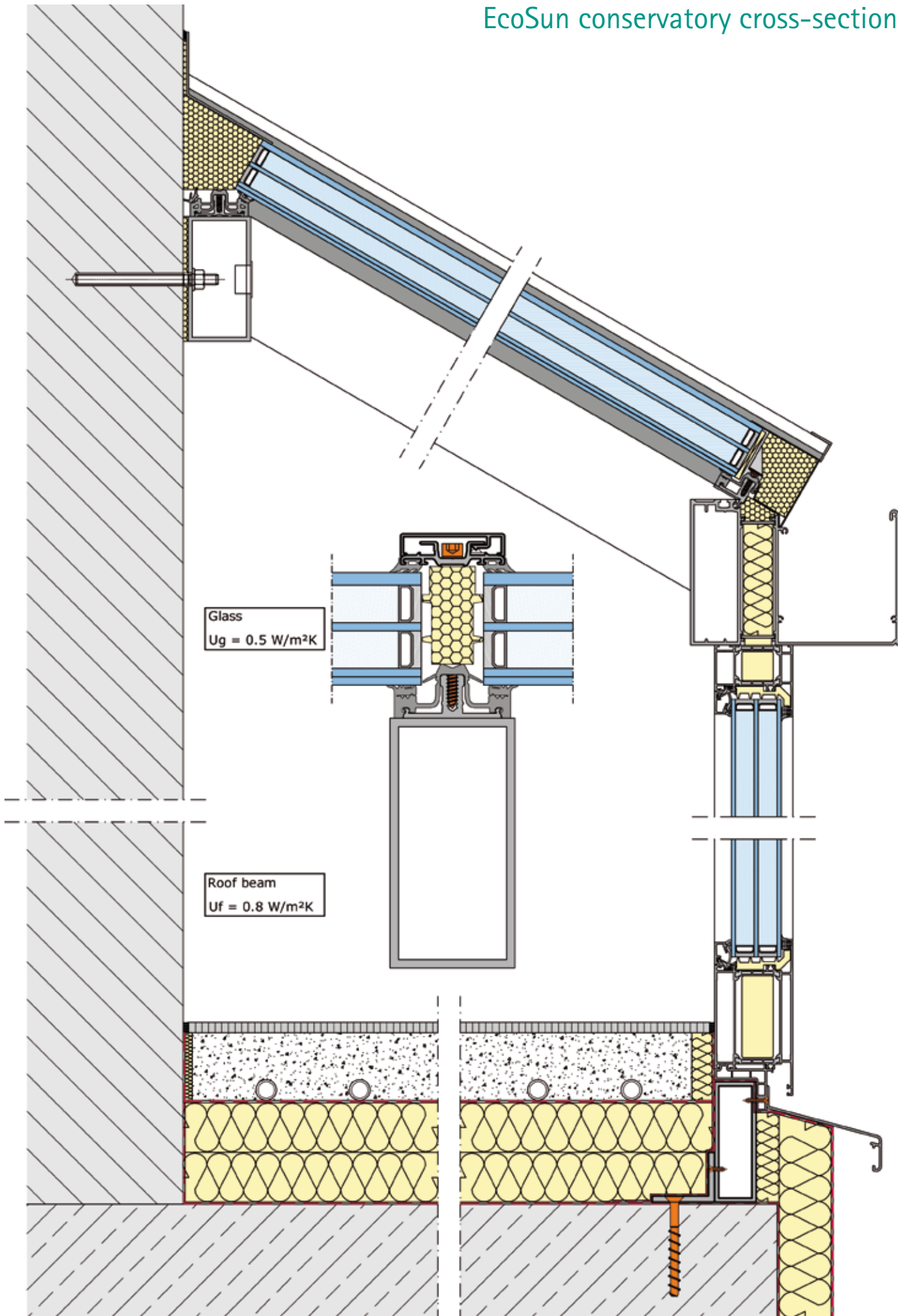


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EcoSun conservatory cross-section





Curved roof is a modern and timeless solution which ideally fulfils the construction and legal requirements of terraced houses.





In focus: welded aluminium constructions

Conservatories that meet highest demands from a certified welding specialist

If you are a user or a project developer planning the construction of a conservatory and wondering what the **material** with the **ideal aesthetic appearance, strength and durability** is, **aluminium** is your best option. In addition to the common bolted assembly construction sets, Sunshine Wintergarten GmbH, as a certified welding specialist for aluminium, offers special warp-resistant filigree welded aluminium constructions for glass roofs.





Sophisticated and filigree

If you have **higher aesthetic** and **stabilisation demands**, this connection technique will not be adequate and you will need to resort to **welding**. This technique will provide the necessary reinforcement for the bearing roof or spatial structures, necessary to oppose the force of the wind in a similar way as a concrete panel would, thus enabling **transparent filigree appearance**. The observer will notice this **elegant connection technique** and its individual top-quality workmanship and shape, which is a **future investment of permanent value**.







In comparison with the common bolted assembly construction sets, welded glass roof constructions offer **many advantages:**



Aesthetics

- appears as a monolithic system
- slim cross-sections
- filigree construction
- joint-less connections
- rounded section transitions
- delicate eaves gutter construction
- no reinforcing frame or external roof structure system



Unlimited variety of shapes

- meeting all design wishes
- implementation of demanding architecture
- modern and historical roof shapes
- elegant detail solutions
- optional unobtrusive installation of light sources into the rafters



Best heat insulation

- U-values up to 0.8 W/m²K
- specially developed highly thermally insulated profile sealing system
- low energy consumption
- low heating cost
- comfort during all seasons



999

Best possible stability

- three-dimensional and homogeneous structure
- self-supporting torsion-free construction
- solid-section walls
- welded connections instead of bolted and inserted joints
- perfect wind bracing, even in extreme weather conditions



999

Short installation time

- complete prefabrication at our plant
- completion of shell construction usually in one day
- completion is largely independent of weather
- planning reliability for follow-up work



999

Easy care and maintenance

- slim, flat glass sealing profiles require little care
- maintenance-free construction
- saves time and money



999

Almost unlimited durability

- durable and stainless materials
- seawater-resistant aluminium alloys
- value conservation through age-resisting materials
- permanent tightness through flexible sealing systems





Glass roofs enable special light effects and provide a nature-like atmosphere.





Filigree, airy aluminium welded structures are very popular and will thrill you at all times.











827



827







03

Roofing

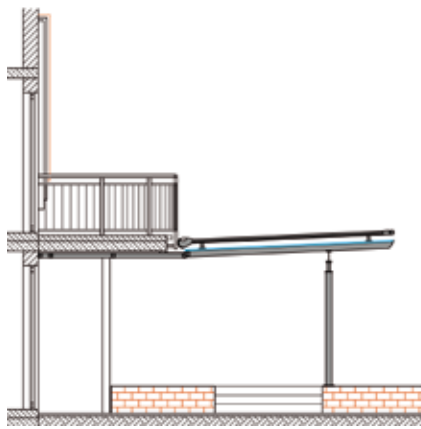
Sophisticated glass constructions make you feel like you are a bit closer to the sky

Sunshine, a **certified welding specialist** for aluminium and steel, in addition to the common bolted systems, manufactures extra filigree, torsion-resistant **welded-glass roof constructions**.



cross-section

elevation



42

43

So versatile are Sunshine Wintergarten solutions

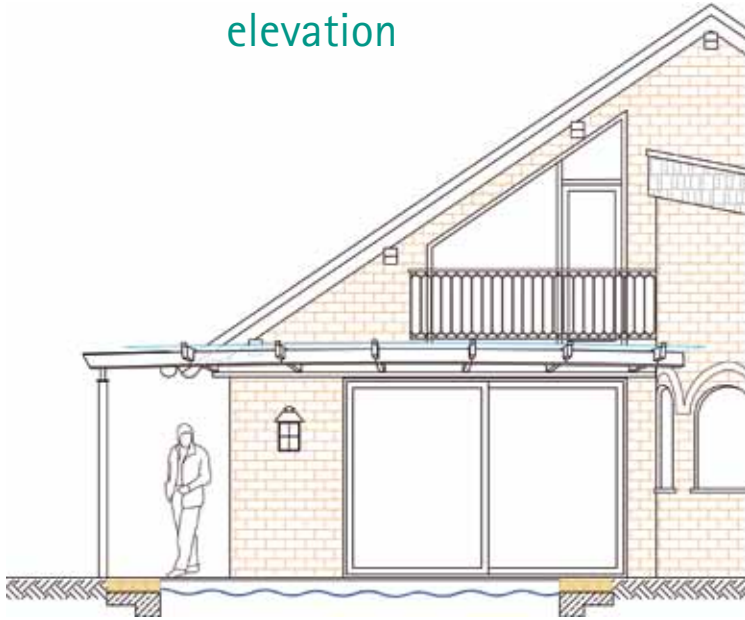
Sunshine roofing is always individually planned and custom-made. They are as versatile as our clients' wishes and each product is a little masterpiece, visually enhancing your housing.



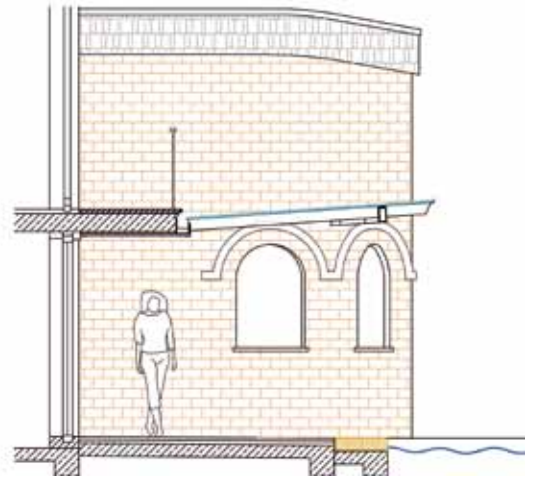




elevation



cross-section



before



photo-realistic rendering

after







Conservatory and roofing – an integrative solution

View from the conservatory





902



elevation

cross-section







High degree of transparency and wide spans

A modern glass roof allows for a wide perspective

Ultimate aluminium welding technology, top-quality workmanship, and wide spans combined with slimline design are our unbeatable advantages.









Sliding roofs as variable roofing





04 Roof sliding windows



05 Sliding roofs



06 Gastronomy



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