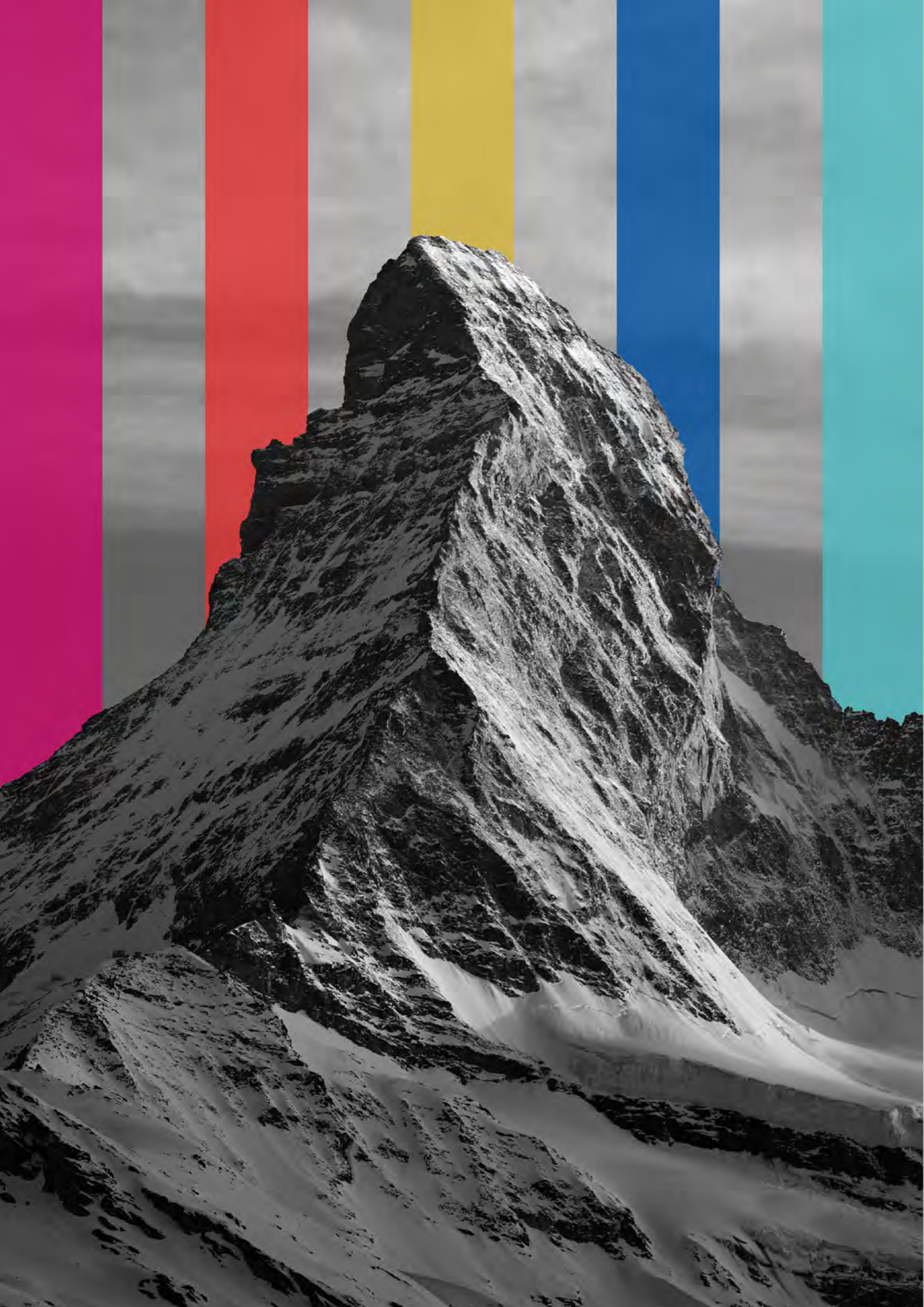RECOMMENDED
BY THE SUN
PRODUCT CATALOGUE
2020

Glatz

Shade in Swiss Quality

Dear Friends of GLATZ,

Next year, we shall celebrate 125 years of GLATZ! This milestone provides a welcome opportunity for us to consider many issues that have featured in our recent history. After all, you can only stay young if you are eager to learn and ready to take a closer look at well-loved habits.

We will not be publishing a printed catalogue this autumn, although we have always done so in previous years. Instead, we intend to surprise you and our customers with a new format next spring, to coincide with our anniversary. We are very excited about this innovation and we hope that you will enjoy it just as much as us.

For the first time, and exclusively for you as our sales partners, we are presenting the GLATZ range in an interactive product catalogue. It gives you a compact overview of all our sunshades, the full range of accessories and – of course – it highlights the two newcomers from our company. This interactive catalogue will mark the dawn of a new and successful era for the GLATZ company. So: stay curious, and look forward with us to our anniversary!

Yours sincerely,
Markus Glatz

CONTENT

THE NEW
AMBIENTE NOVA

- Successor to the legendary AMBIENTE
- Dimmable LED lighting system
- Can be equipped with a turnable base, heating and an engine

THE NEW
FORTANO®

- Withstands wind speeds of up to 60 km/h with a size of 300 x 300 cm
- Ideal for hotels and restaurants
- Available in material classes 2, 4 and 5

OUR NEW
GRANITE BASES

New design of the granite base

The Swiss umbrella manufacturer is continuing the great success of the wet cast concrete castor bases with the new granite base form in light, medium and heavyweight classes. Starting in the coming season, the 40, 55, 90 and 120 kg granite bases will be available in the typical GLATZ shape with rounded corners. The 40 and 55 kg versions come standard with castors and are easy to move by means of a trolley handle. Visually, the high-quality granite goes perfectly with the anodized natural aluminium and is suitable for a wide range of floor coverings.

NEW PROTECTIVE COVERS

New range of protectice covers

GLATZ is offering new protective covers for all sunshades from the new season. All protective covers are provided with a new material that is extremely resistant to the effects of sunlight thanks to the high light fastness factor 6. The fabrics are also woven with a special ripstop technique, which is particularly tear-resistant due to the incorporation of thicker threads in the otherwise thin fabric. A polyurethane coating on the inside of the cover protects the sunshade against moisture from outside. All PALAZZO® and CASTELLO® M4 protective covers feature a new lacing system in addition to the zipper: The zigzag from top to bottom is the best way to reliably and compactly protect GLATZ giant sunshades.

GARDEN
SUNSHADES

ALEXO®

Design icon for 80 years

Nothing is as timeless as quality. ALEXO® has been produced for more than 80 years and the design icon among sunshades is more popular today than ever before. With its patented gear joint it ensures that the sun only shines as much as you want it to in the morning and afternoon. ALEXO® is available with a round frame, either with 200 cm or 220 cm diameter, with or without flounces. The support pole is made of lacquered ash wood and the gear joint is made of nickel-plated brass. The sunshade canopy can be tilted at a range of angles, depending on the location of the sun. There is also nothing left to be desired with the anchorage with wall clamp, lawn spike, ground socket or mobile socket.

The cover of the ALEXO® without flounces is reinforced with leather corner mounts.
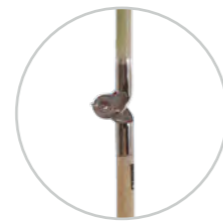
The pole is made from varnished ash wood and the gear rim joint is made from nickel-plated brass.

ALEXO®, Int. Patents reg.

PIAZZINO

Summer for beginners

Less is often more. Our PIAZZINO is a good example of this. A solid sunshade made from natural sycamore wood that gives summer a romantic touch and provides your guests with plenty of shade. The durability of sycamore wood guarantees that this sunshade can still open and close without any problems even after many years of service. With the PIAZZINO we also offer more for less though. As despite its timeless design, easy handling and robustness, the PIAZZINO is a real ray of sunshine as far as the price is concerned.

To open the PIAZZINO, pull on the pulley system and secure with the metal pin.

TEAKWOOD

The Rolls Royce among sunshades

TEAKWOOD is our interpretation of timelessness. With exquisite materials like natural teak, corner mounts covered with leather, rustproof metal fittings and a double pulley system, it adds charm to any setting and invites guests to linger. The only thing that is complicated is the high-quality material's finish. And you're welcome to leave that to us. All you have to do is pull the pulley system quickly and fix it easily using the metal peg: the TEAKWOOD instantly exudes elegant flair on your patio – with a subtly nostalgic touch.
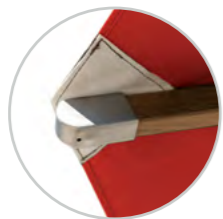
Made of fine teak, with a double pulley system and rustproof metal fittings. The cover is reinforced with leather corner mounts.

To open the TEAKWOOD, pull the pulley system and fix it.

ALU-SMART

A clever sunshade

How long does it take for a sunshade to become a classic? We believe it's not a question of time but of a good idea. As the ALU-SMART has instantly won fans and lives up to its name. It fits perfectly onto extremely angular and narrow balconies and the sunshade canopy can be effortlessly opened and closed with the help of the ergonomic, slimline slide. Its design with elegant, curved fabric edge blends harmoniously with both old and new buildings and gives your favourite spot coordinated flair. The stable aluminium frame subtly reflects its surroundings' colours. It is also perfect on patios, for example in addition to the GLATZ giant sunshades.

The ALU-SMART can be opened by pushing the slide to the top until it locks into place.

The aluminium, anodized natural, frame has a profiled pole and a tilt joint for stepless height adjustment.

The top can be angled using the tilt joint.

ALU-SMART, Int. Patents reg. ⓒInt. Design reg.

ALU-TWIST

Twist in the smallest space

What came first, form or function? Our answer is emphatic with ALU-TWIST: both. As this centre pole sunshade resolutely reconciles aesthetics and comfort. The sunshade canopy can be opened really easily using a crank arm mechanism and tilted continuously using a twist mechanism. We only use the best materials so your sunshade lasts a long time. Its frame and struts are made from anodised natural aluminium. The ALU-TWIST is perfect for angular outdoor areas, your balcony or as an addition to a GLATZ giant sunshade. Wherever you open it, you are sure to enjoy a touch of timeless modern design.

With the crank you can open and close the ALU-TWIST without any problem.
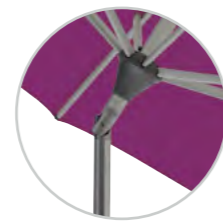
By means of the «TWIST» pivot mechanism you tilt the canopy in a stepless way.

ALU-TWIST, ©Int. Design reg.

FREE-ARM SUNSHADES

SUNWING® C+

The 360° sunshade

We'd already got a great deal right with its predecessor, which was chosen as a winner by the Stiftung Warentest consumer magazine after all. The SUNWING® C+ anodised natural aluminium successor model reconciles ergonomics and design in typical GLATZ style too: the sun canopy can be opened using a self-locking crank mechanism, inclined by 90° using an integrated tilt rod on both sides and rotated by 360° thanks to a round pole. The SUNWING® C+ is available in material classes 4 and 5. For anyone who doesn't want to wait, the SUNWING® C+ is available straight away in two colours in material class 2 to instantly take away with you in the easy design from your authorised GLATZ specialist retailer.

You can open and close the SUNWING® C+ with the hand crank. The crank mechanism is self-locking.

With the tilting rod you can tilt the sunshade up to 90° on both sides in steps of 18°.

SUNWING® C+, Int. Patents reg.

SOMBRANO® S⁺

360° all-round comfort

The Swiss are famous for their inventiveness. Which is why we have come up with something really special with SOMBRANO® S⁺: it's the first free - arm sunshade that opens automatically and aligns itself horizontally when you turn the crank. As the Swiss are characterised by their penchant for the practical, we decided to simply place the pole next to the shaded area. As a result, you can use the space under the SOMBRANO® S⁺ however you like. Thanks to the tilt rod the shade roof can be inclined by 54° on both sides. It's a breeze to rotate it by 360° around its own axis by pressing the turnable ball bearing base.

Using the tilting rod, the sunshade can be tilted up to 54° on both sides in 18° steps.

You can open and close the SOMBRANO® S⁺ with the hand crank. The crank mechanism is self-locking.

SOMBRANO®, Int. Patents reg.

PENDALEX® P+

The multifunctional all-rounder

With the PENDALEX® P+ it is not immediately obvious how much technology has gone into it. It is a jam-packed masterpiece of engineering though. It impresses with high-quality materials like aluminium, fibreglass reinforced TSG synthetic material and tempered spring steel galvanised canopy struts. It also convinces with a gas pressure spring in the pole with which the height can be really easily adjusted. Thanks to a hard anodised aluminium ball- and -socket, the sunshade canopy can be tilted continuously up to 90° in all directions and rotated by 360° around the pole. Despite its size, the sunshade hardly takes up any space at all when closed, not in the basement either. As you can store it outdoors in winter without any problems.
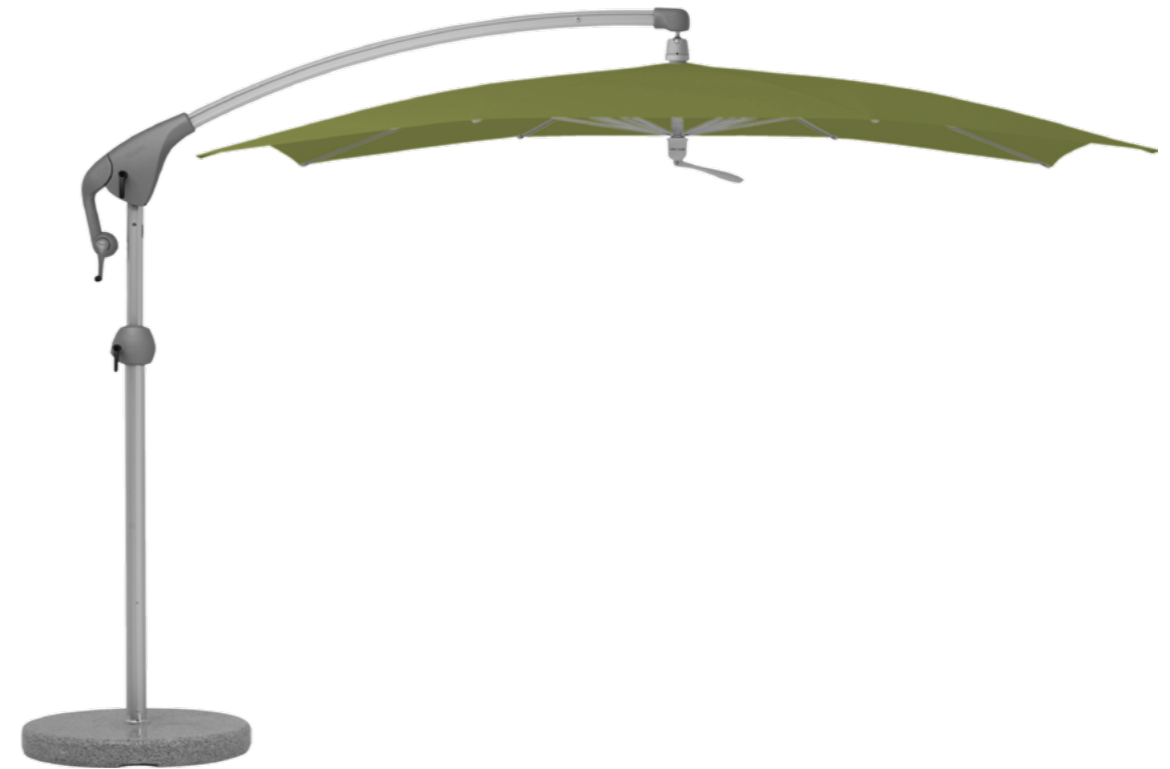
You can open and close the PENDALEX® P+ with the crank of the free arm.

You can also easily adjust the sunshade height using the gas pressure spring (50 cm lift) in the pole.

The sunshade canopy can be tilted continuously up to 90° in all directions and rotated by 360° around the pole.

PENDALEX® P+, Int. Patents reg. ©Int. Design reg.

AURA

Pure charisma

We searched for a name for this sunshade for a long time. It would have been much quicker if we'd looked for a synonym for charisma straight away. As the AURA doesn't go unnoticed on the patio or in the garden for very long but instantly exudes a sense of security. The reasons for this are the materials like powder-coated aluminium, nickel-plated brass, stainless steel inserts in warm shades of silver and of course the immaculately finished eucalyptus wood. The AURA is designed to enjoy a long life. Which is why we provided the pole with various special layers of lacquer and a stabilising aluminium core. The AURA can of course be opened easily and rotated towards the pole as well as 360° around the pole, in the event of a low-lying sun or curious neighbours.

Struts made from eucalyptus wood.

By loosening the locking lever, the sunshade can be rotated through 360°.

Open and close the sunshade using the removable hand crank.

AMBIENTE NOVA

An artwork created from light and shade

Often, less is not only more – less can also be more beautiful. This is especially true when it comes to design. We now present AMBIENTE NOVA, the successor to our legendary free-arm sunshade. The design language of this new product is reduced to the essentials, but it features the same premium materials and convincing ergonomics as its predecessor. For instance, the patented drive system makes child's play of operating the crank – and the sunshade roof aligns itself automatically when opening, but does not touch any tables or chairs when closing. In the evenings, AMBIENTE NOVA will make your very own midsummer night's dreams come true: the optional warm-white LED lighting makes the AMBIENTE NOVA an absolute eye-catcher after sundown. The individual light groups can be switched either directly or indirectly, and they can be dimmed individually or all together. The rear-mounted LED strip on the pole creates another atmospheric focus in your garden or on the terrace.

Optional direct and indirect LED lighting can be integrated into the struts.

AMBIENTE NOVA is easy to open and close thanks to the hand crank on the supporting arm and the patented cable wire mechanism.

FORTANO®

A strong arm – and plenty of shade

Clear-cut design and stable structure: restaurant and hotel managers and owners will be especially pleased that our FORTANO® makes summer a little longer – and bigger! Longer, because this free-arm sunshade also stands its ground on windy days. Measuring 300 x 300 cm, the FORTANO® withstood wind speeds of up to 60 km/h in our wind tunnel test! And bigger, because the shaded area is not limited by the sunshade holder or a centre pole – so much better use can be made of the space. Another practical feature of the FORTANO®: automatic horizontal alignment of the sunshade when it is opened. And there is no need to move tables and chairs out of the way when closing the FORTANO®, because it glides elegantly above them at a height of 80 cm. Available with either an anodized natural or graphite grey powder-coated frame. For the lining, the choice is also yours: material classes 2, 4 and 5 are available.

Wind speeds of up to 60 km/h are possible thanks to the integrated supporting arm.

FORTANO® is easy to open and close thanks to the hand crank on the supporting arm and the patented cable wire mechanism.

SERIES F

FORTINO®

The windproof one

Anyone opting for a shady spot should not be chased away from it by a refreshing breeze. The little windproof FORTINO® is stubborn and simply stays put. The counter-rotating servo principle ensures maximum ease of use: simply pull the tensioning lever down and attach it in the slide. The anodised natural aluminium frame consists of a pole in two parts. The stable construction can either be mounted in a concrete, steel or granite base. And if you allocate it a permanent, regular spot in the garden or on the patio, a sleeve anchored in the ground ensures that only the sun makes the shade move and not the wind.

To open, simply pull the tension lever downwards and clamp it into the slider.

FORTINO®, ©Int. Design reg.

FORTERO®

The giant windproof one

Nothing topples this sunshade easily. Not even a heavy gust.
Which is why we also called it FORTERO®, the strong one.
Despite its size and robustness, it is a gentle giant and a
breeze to operate as a result of its counter-rotating servo
principle. It generously and extremely reliably shades large
squares, hotel patios and pool landscapes. With its up to
4 metres in diameter, the anchorage is a crucial point.
Which is why there are various other options for permanent
anchorage to choose from besides the concrete base, granite
base and base with castors. It remains standing, regardless
of the wind.

To open, simply pull the tension
lever downwards and clamp it
into the slider.

FORTERO®, ©Int. Design reg.

FORTELLO®

The happy medium

FORTELLO® is the happy medium in many respects: not too large and not too small. Not too heavy and yet robust. Withstands winds but still easy to transport. We have only made one exception in terms of handling and opted for the extremely easy counter-rotating servo opening principle. The FORTELLO® withstands wind speeds of up to 100 km / h. As a result, it is the right choice for the stronger down winds on the Mediterranean or for large, unprotected locations. This wonder weapon against the sun, wind and rain can also be fitted with Osyrion light on request so you can simply leave it open in the evenings too. Our FORTELLO® always cuts a bella figura as an advertising vehicle for logos and lettering too.

To open, simply pull the tension
lever downwards and clamp it
into the slider.

FORTELLO®, ©Int. Design reg.
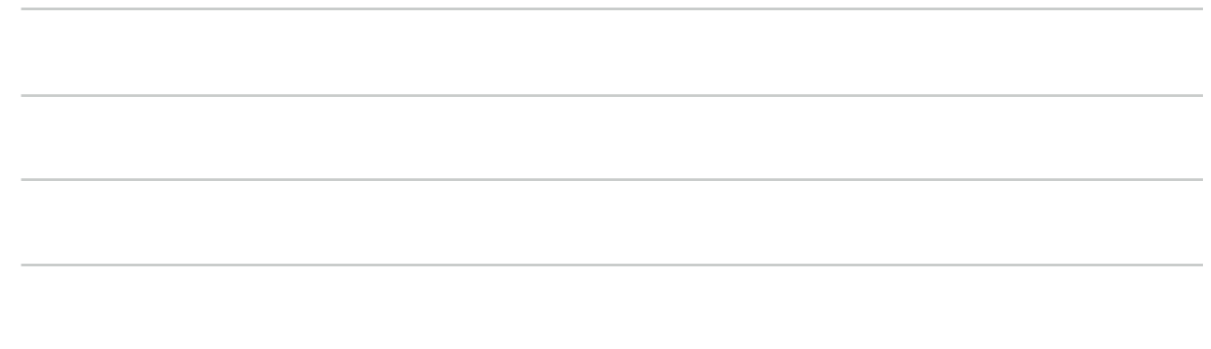
FORTELLO® LED

The sunshade for day and night

A sunshade from GLATZ is actually too beautiful to close in the evening. Perhaps it was this idea that prompted our engineers to install LED lighting in the FORTELLO®. The LED strips integrated in the struts exude a warm white light after sunset for guests who hang around a bit longer or simply come to eat later, as the Southerners are fond of doing. Just like in a good family, it shares all its good qualities with its brother FORTELLO®, in particular its extremely easy operation with counter-rotating opening principle and stability even with high wind speeds. Making it the perfect choice from beer gardens to trendy bars and restaurants.

To open, simply pull the tension lever downwards and clamp it into the slider.

The integrated LED lighting includes two brightness settings of approx. 90 / 160 lx

FORTELLO® LED, ©Int. Design reg.

LARGE SUNSHADES

CASTELLO® M4

At home with Castello

A good host always takes care of its guests. For example, by finding shading solutions for large outdoor areas. We have created the CASTELLO® M4 especially for this, which excels with solid technology, high-quality materials and modern design. The sunshade's highlight is the counter-rotating opening principle: the sunshade canopy can be raised and lowered easily using the slide and stretch canopy. So that heat does not build up under the sunshade, a ventilation opening under the top constantly provides a fresh breeze, making ideal as a smokers' lounge too. The CASTELLO® M4 is available in material class 5.

The telescope principle allows the sunshade to be opened and closed as quickly as possible using the slider and tension lever.

CASTELLO® M4, ©Int. Design reg.

PALAZZO® Style

Take a chance on more style

Anyone who sits under a PALAZZO® Style, is playing it safe. As it provides protection against the sun, rain and winds up to 115 km / h. With its anodised natural aluminium, this sunshade demonstrates a sense of style and can also be opened with just 9 turns of the crank. Anyone who think that's too many can also order it with integrated motor and operate it using remote control or the house control system. With optional heating and LED lighting, the PALAZZO® Style is also a good host at night and between seasons. All the control elements are integrated in the sunshade pole and frame and can be operated by remote control. It can be supplied with other accessories and with an optional stainless steel kit for use in corrosive environments. All you have to do is decide which one of the 16 standard versions you want!
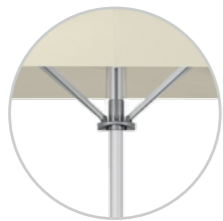
The frame is made of stamped, naturally anodised aluminum sections. With anti-twist pole (incl. reinforcing ribs).

The PALAZZO® Style can be opened and closed using the hand crank or the motor with remote control.

PALAZZO® Style, Int. Patents reg. ©Int. Design reg.

PALAZZO® Noblesse

Noblesse oblige

If a sunshade impresses with elegance, functionality and robustness then it's probably one of ours. The PALAZZO® Noblesse withstands wind speeds up to 95 km / h, is a breeze to operate and dazzles with anodised natural aluminium. Twelve turns of the crank is all it takes to open it. Unless you opt for an integrated motor with remote control. The high-quality fabric made from dyed acrylic fibres protects against the sun and rain and as the PALAZZO® Noblesse can also be supplied with heating and LED lighting, it's totally up to you how long the summer lasts. You also have to decide between one of the 15 standard designs or a customised design. As it can be supplied in virtually any size and shape.

The frame is made of stamped, naturally anodised aluminum sections. With anti-twist pole (incl. reinforcing ribs).

The PALAZZO® Noblesse can be opened and closed using the hand crank or the motor with remote control.

PALAZZO® Noblesse, Int. Patents reg. ©Int. Design reg.

PALAZZO® Royal

The elite class

As it's well-known that the customer is king, the name of this sunshade says it all. The PALAZZO® Royal has been designed specially for the hotel and restaurant trade. Compared to its little brothers, it sets the bar even higher with a maximum diameter of eight metres. The anodised natural aluminium goes perfectly with its graphite grey surfaces. It's not just the size and design that's elite though. It can be opened with 19 turns of the crank or with a radio-controlled motor where all the control components are integrated in the pole and frame. An extensive range of accessories, such as LED lighting and heating, ensure that there is nothing left to be desired in the Champions League.

The frame is made of stamped, naturally anodised aluminum sections. With anti-twist pole (incl. reinforcing ribs).

The PALAZZO® Royal can be opened and closed using the hand crank or the motor with remote control.

PALAZZO® Royal, Int. Patents reg. ©Int. Design reg.

LOCATIONS
FOR USE

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Locations for Use – Hotel / Restaurant

Locations for Use – Meadow

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+

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+

**FASTENING
SOLUTIONS**

Fastening Solutions

Base
Quick to set up, easy to use and durable.

Ground Socket
Space-saving thanks to vertical screw joints on the wall.

Mounting Plate
High stability thanks to the fixed ground anchoring.

Wall Clamp
Space-saving thanks to vertical screw joints on the wall.

Lawn Spike
Lawn spike, perfect for fastening small sunshades on grass grounds.
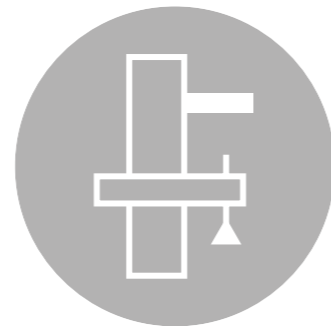
Balcony Clamp
Locking barrier – ideal for balconies with a low handrail.

Garden Sunshades

	Base	Ground Socket	Wall Clamp	Mounting Plate	Lawn Spike	Balcony Clamp
	•	•	•		•	
	•	•	•			
	•	•	•			
	•	•	•		•	•
	•	•	•		•	•

Free-arm Sunshades

	Base	Ground Socket	Wall Clamp	Mounting Plate	Lawn Spike	Balcony Clamp
	•	•	•	•		
	•	•	•	•		
	•	•	•	•		
	•	•	•			
	•	•	•	•		
	•	•	•	•		

Series F

	Base	Ground Socket	Wall Clamp	Mounting Plate	Lawn Spike	Balcony Clamp
	•	•	•			
	•	•	•	•		
	•	•	•	•		
	•	•	•	•		

Large Sunshades

	Base	Ground Socket	Wall Clamp	Mounting Plate	Lawn Spike	Balcony Clamp
	•	•	•	•		
	•	•	•	•		
	•	•	•	•		
	•	•	•	•		

SIZES /
WIND STABILITY

○	💨
Ø 200	20
Ø 220	20

○	💨	□	💨
Ø 300	30	300 × 300	30
Ø 350	30		

○	💨	□	💨
Ø 300	30	330 × 330	30
Ø 300	30		

○	💨	□	💨	▭	💨
Ø 200	75	200 × 200	50	210 × 150	55
Ø 220	65	240 × 240	40	250 × 200	40
Ø 250	50				
Ø 300	35				

○	💨	□	💨	▭	💨
Ø 270	55	240 × 240	45	210 × 150	55
Ø 300	50			250 × 200	45
Ø 330	50				

Nominal sizes in cm – max. permissible wind speed km / h

○	⇝	□	⇝
Ø 265	30	260 × 260	30
Ø 300	30		
Ø 330	30		

○	⇝	□	⇝	▭	⇝
Ø 350	45	300 × 300	45	400 × 300	35
Ø 400	35	350 × 350	35		

○	⇝	▭	⇝
Ø 300	20	285 × 230	20
Ø 325	20		
Ø 350	20		

□	⇝
350 × 350	45
400 × 400	40

○	⇝	□	⇝	▭	⇝
Ø 400	50	350 × 350	50	400 × 300	50
Ø 500	40	400 × 400	45	450 × 350	45

□	⇝	▭	⇝
300 × 300	60	400 × 300	50

Nominal sizes in cm – max. permissible wind speed km / h

Sizes / Wind Stability – Series F

○	🌬	□	🌬
Ø 250	80	200 × 200	70
Ø 300	60	240 × 240	60

○	🌬	□	🌬	▭	🌬
Ø 350	55	250 × 250	70	300 × 200	60
Ø 400	50	300 × 300	60	350 × 250	55
		350 × 350	50		

Sizes / Wind Stability – Series F

○	🌬	□	🌬	▭	🌬
Ø 450	80	300 × 300	100	350 × 250	100
		350 × 350	85	400 × 300	85
		400 × 400	75		

○	🌬	□	🌬	▭	🌬
Ø 450	80	300 × 300	100	350 × 250	100
		350 × 350	85	400 × 300	85
		400 × 400	75		

Nominal sizes in cm – max. permissible wind speed km / h

Sizes / Wind Stability – Large Sunshades

○	⇶	□	⇶	▭	⇶
Ø 350	100	300 × 300	100	400 × 300	65
Ø 400	80	350 × 350	85	450 × 350*	55
Ø 450	65	400 × 400	50	500 × 400*	50
Ø 500	55	400 × 400*	65		
Ø 500*	65	450 × 450*	55		
Ø 550*	60	500 × 500*	50		
Ø 600*	50				

○	⇶	□	⇶	▭	⇶
Ø 350	115	300 × 300	85–115	350 × 300	85–95
Ø 400	90	350 × 350	95	400 × 300	70–80
Ø 450	75	400 × 400	80	450 × 350	75
Ø 500	65	400 × 400	70	500 × 400	60
Ø 500	55	450 × 450	60	550 × 450	55

* reinforced roof struts

Sizes / Wind Stability – Large Sunshades

○	⇶	□	⇶	▭	⇶
Ø 450	85	400 × 400	95	450 × 350	85
Ø 500	75	450 × 450	80	500 × 400	70
Ø 600	80	500 × 500	70	600 × 400	75
Ø 700	70	500 × 500	85	600 × 500	70
		550 × 550	75		
		600 × 600	65		

○	⇶	□	⇶	▭	⇶
Ø 700	80	500 × 500	110	600 × 500	80
Ø 800	70	550 × 550	100	700 × 500	75
		600 × 600	90	700 × 600	70
		650 × 650	85	800 × 600	60
		700 × 700	75		

Nominal sizes in cm – max. permissible wind speed km / h

ACCESSORIES

Accessories – Garden Sunshades

Protective cover
can be ordered
optionally.

Osyrion 4, 6
or 8 rechargeable
battery light.

Protective cover with
rod and zip fastener is
included in delivery.

Osyrion 4, 6
or 8 rechargeable
battery light.

Protective cover with
rod and zip fastener is
included in delivery.

Osyrion 4
or 6 rechargeable
battery light.

Protective cover with
rod and zip fastener can
be ordered optionally.

Osyrion 4
or 6 rechargeable
battery light.

Protective cover with
rod and zip fastener can
be ordered optionally.

Osyrion 4 rechargeable
battery light or Osyrion 6
rechargeable battery light,
Osyrion 4 & 6 adaptor
for SUNWING® C+.

Protective cover with
rod and zip fastener is
included in delivery.

Osyrion 4
or 6 rechargeable
battery light.

Protective cover with
rod and zip fastener is
included in delivery.

Osyrion 4
or 6 rechargeable
battery light.

Protective cover with
rod and zip fastener is
included in delivery.

Protective cover with
rod and zip fastener is
included in delivery.

Images in production.

Images in production.

Osyrion 4
or 6 rechargeable
battery light.

Protective cover can
be ordered optionally.

Accessories – Series F

Protective cover with rod
and zip fastener can be
ordered optionally.

Osyrion 8 rechargeable
battery light.

Bistro table

Protective cover with rod
and zip fastener can be
ordered optionally.

Accessories – Series F

Osyrion 8 rechargeable
battery light

Protective cover with rod
and zip fastener can be
ordered optionally.

The LED lighting is
integrated into the struts.
Cannot be retrofitted.

Protective cover with rod
and zip fastener can be
ordered optionally.

Accessories – Large Sunshades

Radiant heater
(infrared radiator)

Lighting,
electric kit, plug

Rain gutter

Curtain

Protective cover optional

Radiant heater

LED + RGBW illumination

Rain gutter

Curtain

Protective cover optional

Accessories – Large Sunshades
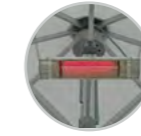
Radiant heater

LED + RGBW illumination
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COLOUR
SPECTRUM

COLOUR SPECTRUM
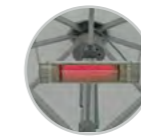
Material Class	Stone & Metal		Earth & Wood		Fire & Sun		Water & Sky		Fresh & Fruity	
5	510									
	664	500								
	665	501	527	649	514		515			
	652	689	523	526	640	683	657	695	680	
	667	692	686	605	512	661	685	677	670	654
	684	502	662	693	694	513	647	679	517	655
	691	669	650	675	682	516	659	648	660	681
	690	615	611	651	646	645	530	521	656	671
4	404		453	461	438		411			
	420	408	422	476	403	436	439	446	416	
2	The portable *easy* range is only available in material class 2 in the following colours: Colours may differ from those shown		150	151	146	162			127	

Material Class 5

100% polyacrylic, approx. 300 g/m^2, solution-dyed, lightfastness 7 – 8, UPF 50+, with Scotchgard® or Teflon® finish. Optimum protection against ultraviolet rays.

Material Class 4

100% polyester, approx. 250 g/m^2, solution-dyed staple fibre, lightfastness 7, UPF 50+, dirt- and water-repellent, anti-rot. Optimum protection against ultraviolet rays.

Material Class 2

100% polyester, approx. 220 g/m^2, weatherproof, lightfastness 5 – 6, UPF 50+, with Teflon® finish. Optimum protection against ultraviolet rays.

Why does the material class play a part in the choice of a sunshade?

A GLATZ sunshade features convincing functionality and design, setting the scene in any outdoor area. The canopy is an eye-catching element that also provides protection. All GLATZ materials feature the highest quality: they provide protection against harmful UV radiation and retain their original colours for lengthy periods.

What does „material class" signify, and which material classes are available?

All GLATZ fabrics are subdivided according to material, coating and UV protection into material classes 2 (the off-the-shelf „Easy collection©"), 4 and 5 (the „Individual" and „Professional" ranges). Allocation to material classes does not represent an evaluation. The material class merely defines the characteristics of each material. The following chart shows the relationships between material class and UV protection, lightfastness, weight per square meter and hydrostatic head:

	Material Class 2		Material Class 4	Material Class 5
UV Protection Health is important! UV protection overall more than 98%	+		+	
Lightfastness	−		+	
Weight per Square Meter	−		+	
Hydrostatic Head	−		+	

Which material class does GLATZ recommend?

A sunshade „made by GLATZ" stands for maximum functionality, sophisticated design, a love of detail and outstanding Swiss quality. This is why GLATZ always recommends choosing the best of the best when it comes to sunshade covers – material classes 4 and 5. These premium materials offer high levels of UV protection and high lightfastness combined with lengthy fading periods. All of them have long life spans that will delight sunshade owners, summer after summer.

Material class 2 is an excellent choice for budget-conscious customers with lower requirements for lightfastness or water- and dirt-repellent properties. GLATZ uses these materials exclusively for sunshades in the „Easy Collection©" off-the-shelf range. The following chart compares the characteristics of the various GLATZ material classes:

	Material Class 2	Material Class 4	Material Class 5
Material	100% polyester	100% polyester	100% polyacrylic
Processing / Dyeing	Piece-dyed filament	Solution-dyed staple fibre	Solution-dyed staple fibre
UV Protection	> 98%	> 98%	> 98%
Lightfastness	Level 5-6	Level 7	Level 7-8
Weight per Square Meter	approx. 220 g/m²	approx. 250 g/m²	approx. 300 g/m²

Material Classes / Lightfastness

Like the human skin, a sunshade cover is also exposed to strong UV radiation, which causes materials to fade over time. How quickly and to what extent colour intensity is lost depends on the lightfastness of the fabric. The principle here is: The higher the material class, the better the lightfastness and, consequently, the longer the fading period. The lightfastness of GLATZ fabrics is determined according to the ISO 105 802 standard.

- When selling, discuss the issue of a sunshade's lightfastness
- GLATZ recommends lightfastness levels of 7 to 8 (material classes 4 and 5)
- Talk with your customers about the range of GLATZ protective covers

Example: How textiles with different lightfastness fade after 160 days direct exposure to the sun.

Light fastness levels according to DIN EN ISO 105-B02	Resistance to fading	First noticable fading after	Discolouration after 160 days of direct sunlight	The GLATZ Material Classes	The GLATZ product range
Level 1	very poor	5 days			
Level 2	poor	10 days			
Level 3	fair	20 days			
Level 4	fairly good	40 days			
Level 5	good	80 days		2	easy Collection
Level 6	very good	160 days		2	easy Collection
Level 7	excellent	350 days		4 and 5	Individual
Level 8	unbeatable	700 days		5	Individual, Professional

Material Classes / Lightfastness

Why pay attention to lightfastness when choosing a sunshade?
Over lengthy periods, UV rays change the colour shade of materials. This causes coloured fabrics to fade, whereas white and lighter colour shades turn yellow. If you want to enjoy the original colour of a sunshade cover for a very long time, it is advisable to choose a GLATZ sunshade with a lightfastness level of at least 7, corresponding to material classes 4 and 5. If the sunshade remains unopened for a long period, it is also advisable to purchase a GLATZ protective cover.

How is quality affected by the colour, dyeing process and material properties?
The lightfastness of materials depends on whether textiles are woven from pre-dyed yarn (material classes 4 and 5) or are only dyed after weaving (material class 2). In terms of lightfastness, fabrics made from polyester and polyacrylic offer convincingly superior quality and differ only in colouring, fabric density and weight.

UV PROTECTION

Every sunshade provides protection from the sun – but not every sunshade protects people against its dangerous ultraviolet rays (UV radiation). Although only a fraction of the sun's UV radiation reaches the earth, the rays are so intense that they can damage the skin. For this reason, every sunshade from our collection protects against the sun as well as harmful ultraviolet rays.

UV Protection

What does radiation protection have to do with buying a sunshade?
Humans cannot see UV rays, nor can they detect them with their other sensory organs. How far UV rays damage and endanger human health depends largely on each individual's own behaviour outdoors. A sensible approach to the sun and suitable protective measures such as a sunshade with UV protection can reduce the risks of skin cancer, skin damage or premature skin ageing. As well as providing shade, therefore, a GLATZ sunshade guarantees the maximum possible UV protection of over 98% for all sunshade covers.

According to Germany's Federal Office for Radiation Protection (BfS), UV rays are divided into several wavelength ranges: UV-A (315 – 400 nm), UV-B (280 - 320 nm) and UV-C (100 - 280 nm). UV-C radiation is entirely filtered out of the earth's atmosphere in the upper atmospheric layers, but UV-A and UV-B rays penetrate as far as the surface of our planet. It is mainly the energy from UV-B rays that has a strong effect on the skin. As well as causing skin burns (such as sunburn), it increases the risk skin ageing and skin cancer.

UV Protection

What determines the UV protection factor?
The UV protection factor (UPF) indicates how much longer people can remain in the sun without suffering damage to their skin if they use sun protection products such as a GLATZ sunshade. The UV protective effect of a shade cover depends on various factors such as weight, density, colour and material: these aspects should always be considered when selecting a sunshade.

The principle here is: heavier materials have more densely woven fabrics, so they reduce the harmful UV rays that can penetrate them. Also, the UV protective effect increases with darker colour shades. As regards materials, synthetics such as polyester and polyacrylic have a significantly higher UV protective function than cotton, which decomposes over time due to UV radiation. By contrast, the polyester materials used by GLATZ are UV-stabilised and they last many times longer depending on the intensity and duration of the UV radiation.

To prevent any misunderstandings: coatings such as Teflon® and Scotchgard® only reduce permeability by water, and they have no effect on the UV resistance of a material.

UV Protection

Which standard is the basis for our declarations about UV protection?

The „UV Protection" test label indicates that GLATZ guarantees the maximum possible level of UV protection of over 98% for sunshade covers with material classes 2, 4 and 5.

According to the Australian Radiation Protection and Nuclear Safety Agency, all GLATZ material covers have been assigned an Ultraviolet Protection Factor (UPF) of 50+ on the sun protection scale from 15 to 50 according to the Australian standard. This label is only awarded to sun protection products that offer more than the highest solar protection level of 50.

But GLATZ wants even more precise information. To determine more accurate protection values, we also have all our sunshade covers tested for UV permeability according to the internationally recognised UV standard (AS/NZS399) and certified by SQTS (Swiss Quality Testing Services), the independent test laboratory. The result of this is the GLATZ „UV Protection" test label, which guarantees the maximum possible UV protection of more than 98% for all fabric covers in GLATZ material classes 2, 4 and 5.

UV Protection

How is the UV protection rating declared by GLATZ calculated as a percentage?

All GLATZ sunshade fabric covers carry the „UV Protection" test label. The percentage indicated on the label is derived from the UPF rating and calculated on the basis of the data determined by SQTS using the following formula:

PERCENTAGE = 100 – 100 / UPF (SQTS)

In other words: if 99% of the harmful UV rays are filtered out by the fabric, only 1% reach the skin. Thanks to GLATZ's UV protection, therefore, it takes 100 times longer for the same dose of radiation to contact the skin than without UV protection. This factor of a hundred is defined as the sun protection factor.
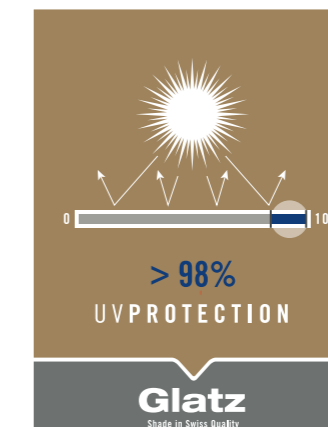
FIT FOR SALES

Three Steps to your optimum GLATZ sunshade …

1

Sunshade

1. The Optimum Sunshade Model

- Where is the sunshade going to go: on a patio, on a balcony, in a garden, or on a lawn?
- How big is the area that needs shading?
- What do you want to shade? A table, a sun lounge, a deckchair?
- Would you prefer a center pole sunshade or a free-arm sunshade?
- When will you use your sunshade the most (morning, midday, afternoon)?
- Orientation: what direction is the south?
- Do you have low sunsets in the evening?
- Should the sunshade be adjustable flexibly to the sun or in a fixed position?
- Should the sunshade also provide privacy (street, neighbors)?
- What material combines the best with your outdoor area? Wood, aluminum?
- What color(s) do you prefer for the cover?

Three Steps to your optimum GLATZ sunshade …

2

Fabric / Colours

2. Your Favourite Colour and Fabric Quality

All GLATZ fabrics fundamentally provide extremely high UV protection (> 98 %) against direct UV radiation. When deciding on the fabric, please bear in mind: the higher the material class, the better the light fastness, water pressure resistance and coating. GLATZ generally recommends material class 5 (or at least 4).

Material Class 5

100 % polyacrylic, approx. 300 g/m^2, solution-dyed, lightfastness 7 – 8, UPF 50+, with Scotchgard® or Teflon® finish. Optimum protection against ultraviolet rays.

Material Class 4

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Material Class 2

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Three Steps to your optimum GLATZ sunshade …

3

Fastening

3. The Suitable Fastening Solution

GLATZ can offer a variety of fastening solutions depending on the situation and place of use. Please note the minimum weight for the appropriate model of sunshade as recommended by GLATZ.

Base
- The location of the sunshade can be chosen freely
- A variety of designs and materials (concrete, granite, steel)
- Max. windspeed is not guaranteed

Mobile Bases
- Differing configurations with castors
- Easy to move the sunshade
- Max. windspeed is not guaranteed

Fixed Fastening
- No space needed for a base
- Fixed installation sunshade
- Flush with the ground when sunshade removed
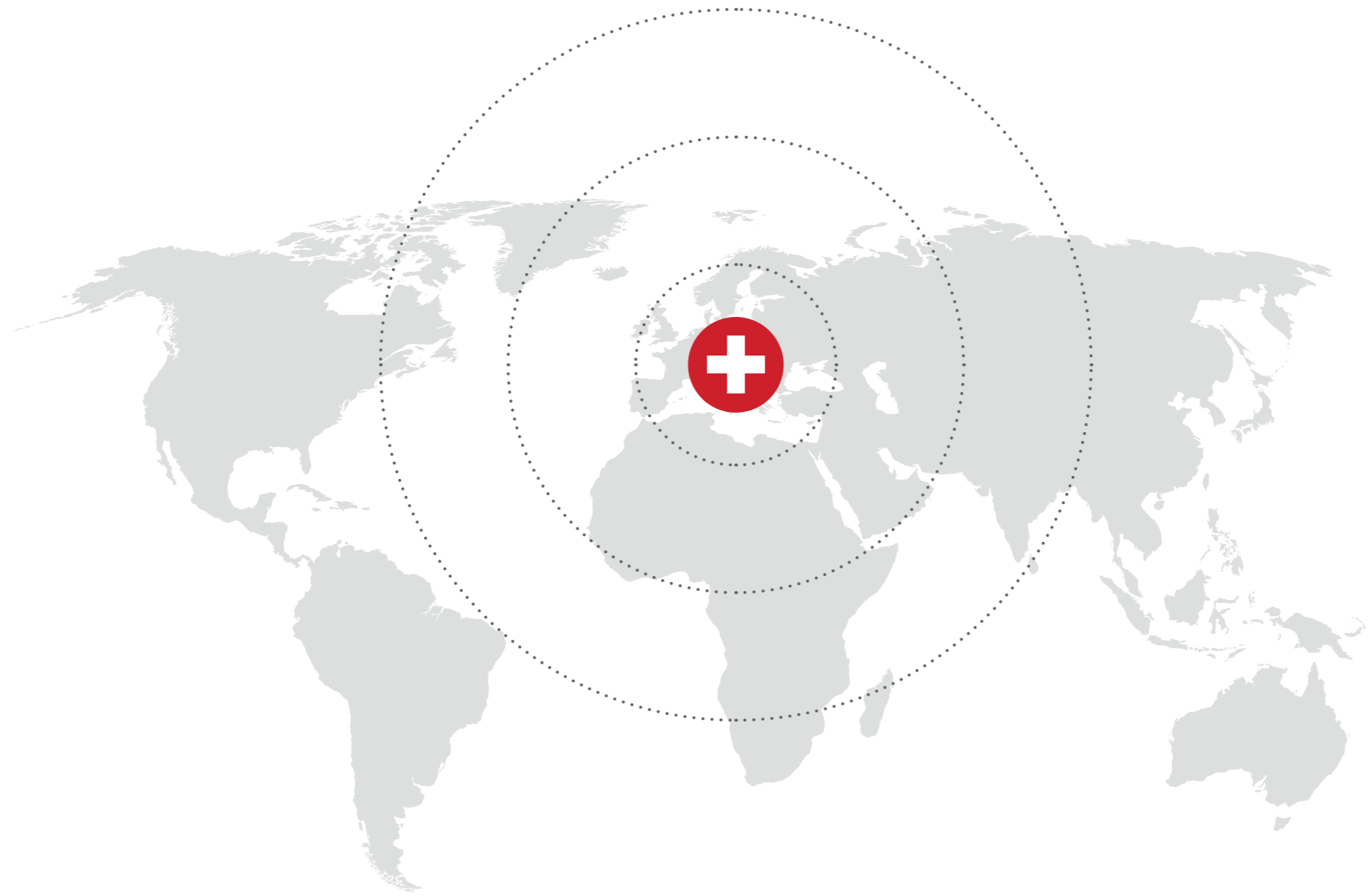- Max. wind speed guaranteed

SERVICE AND CONTACT

The customer service provided by GLATZ AG, with its global network of specialist retailers and importers, is a cornerstone of the joint success achieved by our company and our partners. This is why we offer them annual training on professional advice and incidental repairs – to ensure optimum service from GLATZ AG that serves the best interests of our customers. Our office-based sales service regularly informs you, our sales partners, about new additions to the portfolio, our range of products and the availability of specific products, and supplies the corres-ponding price lists.

If your customers have further questions about GLATZ AG's products and customer service, you are welcome to contact our Call Centre on this telephone number:
+41 52 723 64 64

Glatz

Shade in Swiss Quality