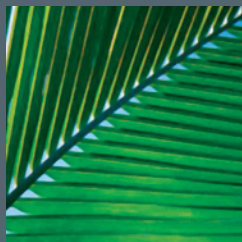




FIXED SUNSAILS

- INSTRUCTION MANUAL
- SAFETY INSTRUCTIONS
- MOUNTING TIPS
- MATERIAL- AND CARE INSTRUCTIONS
- PRODUCT GUARANTEE



THE ART OF SHADE

Congratulations!
You made a good choice!

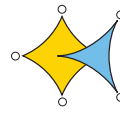
A Soliday sunsail is a quality product. Practical design for extensive shadowing, combined with the architecture of clear lines and shapes of modern interior design. With Soliday you count on a sunsail professional with the largest offer in Europe. The product range reaches from sunsails to measure over manually rollup systems up to the fully automatic rollup sunsail system. This is supplemented by a large selection of useful accessories with extended features as well as a large selection of sunscreen cloths and colors.

I wish you much pleasure and relaxed hours under your Soliday sunsail. We gladly are at your disposal for any questions.

Your Oliver Balaz
CEO Soliday



You will receive helpful information on the following pages, so that your sunsail can be used safely and reliably. When passing on the sunsail please be absolutely sure to enclose the instruction manual.



Soliday sunsail	
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Helpful advice for planning a sunsail

Mounting instruction, accessories and advice

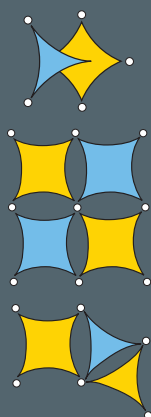
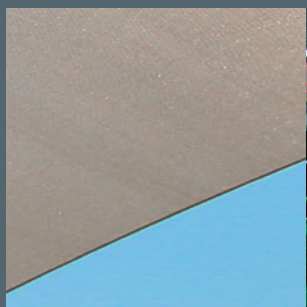
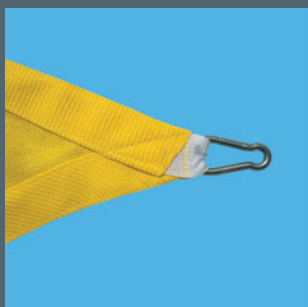
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SOLIDAY SUNSAIL – PRODUCT DESCRIPTION

Each Soliday sunsail has an elegant concave cutting form. In Soliday's assortment you will find materials that are specifically chosen to fulfill the permanent and difficult outdoor requirements of a sunsail.

A Soliday sunsail is manufactured according to an exactly defined geometry, which has been steadily improved in longstanding use to guarantee an optimal design. The side-edges of the sunsail have a concave alignment. The concave cutting gives the sail the well known and beloved design (aesthetic), but primarily it is responsible for a perfect tension of the sunsail. The side-edges of a Soliday sunsail are seamed with a robust circular strap. The strap serves as hanging point on the sail corners and is responsible for the optimal distribution of forces of the sunsail in an evenly stretched condition.

SAFETY – AND WARNING NOTICES

- Before using your sunsail as shade provider, resp. as protection from light rain, you should urgently read the instruction manual carefully.
- If possible, mount the sunsail in a place that it sheltered from the wind. Make use of the wind shade and the protection of house walls, house corners, trees, hedges, etc.
- Do not let any fire or open flame burn near the sunsail. Do not use your barbecue grill under the shady construction.
- Periodically check your sunsail for damages and abrasion, this increases the safety level.
- Please note that a sunsail is not constructed for unusual environmental influences, so for instance if there is hail, snow or strong rainfall the sunsail must immediately be dismantled.
- When strong winds or storms come up, the sunsail must be taken down.
- Do not put any objects on the sunsail.
- A sunsail cannot be walked upon, it may not be used as trampoline or hammock. It serves solely as protection from the sun and possibly light rain and may not be used for other purposes.

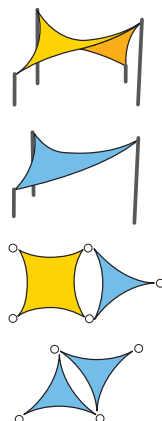
Mounting instruction, accessories and advice



STEP 1 – SAIL TYPES

The sail form and the characteristic of the sunsail are significantly determined by the height of the attachment points. The classic saddle sail is a very modern shape, where the diagonal points are in about the same height and the sail corners are pulled down strongly on the left and the right. With this variation make sure there is enough free space under the sail, resp. pay attention to the passage height.

The airy character and the shape of the sunsail unfold better when the attachment points are in different heights. There are no limits to be adventuresome. If the shade provider should additionally fulfill the protective function with light rain, you must pay attention that the inclination of the sail is at least 15 – 25 degrees and no water pockets can form (the place in the sail where water accumulates) in tensioned condition.



STEP 2 – WHAT YOU NEED TO PAY ATTENTION TO BEFORE THE INSTALLMENT

- Before mounting, make enquiries at your local city administration or local building authorities about possibly existing building regulations in your area.
- Suitable place – if possible, mount the sunsail in a place that is sheltered from the wind. Make use of the wind shade and the protection of house walls, house corners, trees, hedges, etc.
- Size of the sunsail
- Determine when and where you want to have shade
- Position the sail so that one attachment point, resp. mast is in the west. With a gliding carriage you will be able to lower the sail there and adjust the shade. Perfectly suitable as well as glare protection in the later afternoon or as sight protection for unloved glances.
- Is it possible to move a mast? Beware: make sure to check existing telephone-, electrical lines or water pipes before the digging or drilling work begins.

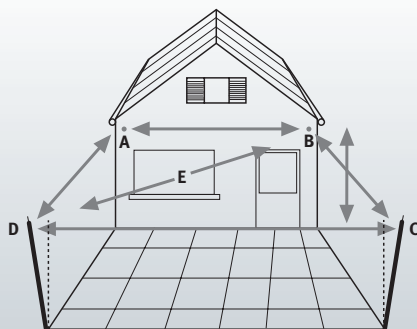
STEP 3 – DETERMINING THE ATTACHMENT POINTS

- You can use house walls, trees, masts, railings, ground anchors, etc. as attachment points.
- Make sure to check the stability of the attachment points. A sunsail holds just as well as its attachments hold. If you are not sure about the stability of the structure, resp. the resistance of the attachment point, you should urgently get the advice of a specialist, resp. builder.
- The required resistance of the attachment points is further dependent on the size of the sunsail and the impact of wind forces. The place and handling of the sunsail are the main decisive factors for the mounting. (Will you be taking the sunsail down when it rains or when it is windy? Which inclined position will the sunsail have? Is the sunsail protected from wind or is it in an exposed position? Is the sunsail in the open country or in front of a wall?) The impact of wind and rain forces can vary depending on the position of the sail. These circumstances absolutely need to be considered when mounting the sail.



Advice

In the beginning give special attention to the fully installed sunsail. Soon you will notice the behavior in all weathers. With strong wind the sail must be dismounted. Using Soliday security clamps additionally heightens the safety. Information on page 14, resp. on www.soliday.eu





SCHRITT 4 – MONTAGE DER BEFESTIGUNGSPUNKTE AN WÄNDEN

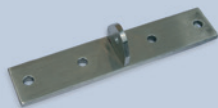
- The resilience of the attachment points is dependent on the structure. A well dowelled screw, resp. an adhesive anchor in concrete can hold 800 kg in comparison to a simple brick wall with 100 – 150 kg (information without warranty).
- An adhesive anchor is a screw, resp. a threaded rod that is adhered in the wall with a special adhesive and a dowel. This kind of attachment holds the best. Further helpful information for the proper attachment on the wall of your house can be found under www.Fischerwerke.de.
- Choose the kind of attachment screws that are best suited for your underground (concrete, Ytong, brick, wood, etc.).
- If you are not sure about the durability of the structure, resp. the stability of the attachment points, you should urgently get the advice of a specialist, resp. builder.
- Beware: do not insert any screws, resp. adhesive anchors closer than 10 cm to the end of a brick (corner of the house, window- or door frame).
- For the attachment on the wall of the house use the adapter plate, resp. the ringbolt (only for very solid underground like concrete) – also see accessories.

Advice

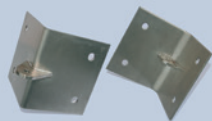
Does your house have a thermal insulation? Then use distance pieces when attaching the adapter plate. These are available in any well assorted iron hardware store. Distance pieces are aluminum, resp. metal tubes that are pushed over the screws and thus ensure a strong space between the wall and the plasterwork. Choose the length of the distance pieces so that the attachment plate has a distance of about 1 – 2 cm from the plasterwork. This way you avoid possible abrasion and damages on the house façade.



Stainless steel wall plate
For robust attachment on brickwork
measurement : 15x15 cm
distance of the holes: 11 cm
inner diameter drilling: 12,5 mm



Stainless steel wall plate 25x5 cm
distance of the holes: 6,5 / 9,0 / 6,5 cm
inner diameter drilling: 12,5 mm



Corner wall plate for internal and external corners
measurement : 15 x 15 x 15 cm
distance of the holes : 11 cm
inner diameter drilling : 12,5 mm

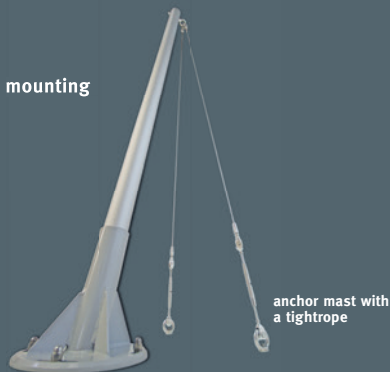


Ringbolt
M8x80 mm, M8x100 mm
for a neat attachment as adhesive anchor on walls and brickwork. Made of stainless steel with closed ring and cover flap.



Wood ringbolt
8x80 mm
for attachment on walls, wood and brickwork. Made of stainless steel with closed ring.

Possibilities to stiffen the mounting



STEP 5 – MOUNTING OF ADDITIONAL ATTACHMENT POINTS

- Additional attachment points can easily be set with masts (telescope mast, aluminum mast, Niro (corrosion-resistant) mast, galvanized mast, droppole).
- The masts can be set in a ground sleeve encased in concrete, bolted in a fundament with a robust ground plate or attached to a wall with brackets.
- The dimensioning of the sunsail masts depends strongly on the local occurrence. Will the sunsail be installed on a very windy place of in an inner courtyard, will it possibly be protected by buildings, trees or fences, is it on a rooftop terrace or in the middle of a garden and is exposed to wind without protection? In any case the dimensioning of the mast should be chosen large enough, resp. additionally anchor the masts.
- The sunsail must be removed with strong winds/storm.
For security you can install the security clamp, also see page 14
- Depending on local occurrence and wind vulnerability it is recommended to additionally anchor the masts with a tighrope.
- Depending on wind vulnerability, angle of inclination and size of the sunsail, the masts need to be additionally anchored with strong rope, resp. tighrope if necessary.



Droppole



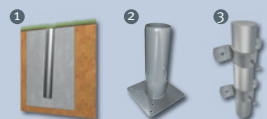
Stainless steel



Aluminium

Telescope mast

- Made of aluminum
- Individually adjustable mast height from 200 cm to 350 cm
- Integrated gliding carriage for a practical height adjustment of the sunsail from 0 to 350 cm
- Integrated eyelet for anchoring mast



Further accessories for telescope mast

- 1 Aluminum ground sleeve to set in concrete
- 2 Steel ground plate, galvanized and powder-coated
- 3 Stainless steel wall brackets for attachment on walls (2 pcs)



Mast anchoring set consisting of:

- Ringbolt ... for alu- and niro (corrosion resistant) masts
- Stainless steel wire rope with one-sided pressed-on eye terminal
- Wire rope turnbuckle with stainless steel closed sleeve«
- 2 pcs wire rope clips and thimble

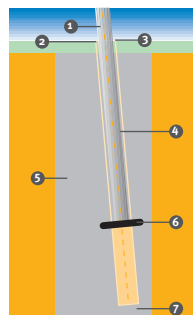


INSTRUCTION FOR GROUND FUNDAMENTS WITH SOLIDAY GROUND SLEEVE

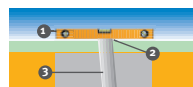
- 1. Embed the fundamnet. The chart shows you guidelines for the size of the fundamnet. Dig at least 80 cm deep because of frost protection.

SAIL	LENGTH & WIDTH	DEPTH
– 20 m ²	40 x 40 cm	80 cm
– 30 m ²	50 x 50 cm	120 cm
– 60 m ²	80 x 80 cm	100 cm

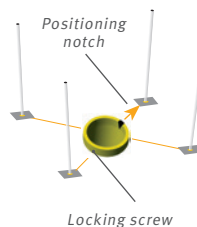
- 2. Place a layer of gravel of about 10 cm.
- 3. The ground sleeve is already sloped in an inclination of 10° on the upper side (ground level) and marked with a notch.
- 4. Insert the included twist anchor (metal mandrel) into the bore intended for this use at the lower end of the ground sleeve. Now place the ground sleeve into the gravel. Thus, the condensation water and the rain water can drain into the ground.
- 5. Position the ground sleeve properly:
 - a) the ground sleeve must be positioned so that the notch shows in the direction of the diagonally opposing attachment points (mast, wall plate, etc.).
 - b) The diagonal upper side already provides the 10° inclination. Put the spirit level on the upper side of the ground sleeve and position it horizontally. Beware! Take care of the electricity supply with Soliday C systems!
- 6. Mix concrete according to manufacturer instructions. Fill in the cement from above into the fundamnet up to about 20 cm under the ground level.
- 7. Compress the cement and let it harden according to manufacturer instructions.
- 8. Place the fundamnet, possibly an earth- and lawn layer, and cover the ground sleeve, so that no contamination gets into the ground sleeve.

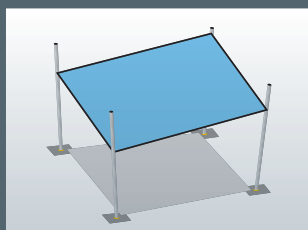
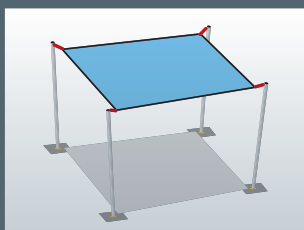
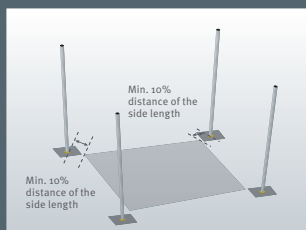


1. Mast
2. Locking screw
3. Notch
4. Ground sleeve
5. Concrete
6. Metal mandrel
7. Gravel



1. Spirit level
2. Notch
3. Ground sleeve



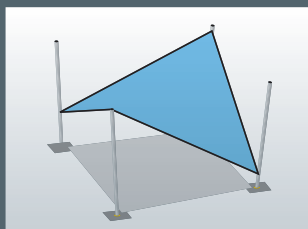


STEP 6 – SUNSAIL ATTACHMENT TYPES

So that a Soliday sunsail obtains its shape, it is necessary to optimally tension the sunsail between the attachment points.

The classic Soliday sunsail has a concave cutting of the side edges and is delivered with an integrated belt strap. On the sunsail corners there are belt strap loops, resp. D-rings. The sunsails are manufactured in such a way, that they show the ordered measurements (up to max. 4%) in the finished tensioned condition. A sail is measured from the outermost point of the corner and delivered. (Belt strap loop to belt strap loop, resp. D-ring to D-ring). The concavely manufactured side edges grant an optimal tensioning of the sunsail.

- Lay down your sail loosely on the ground between the determined attachment points.
- Begin with the first sunsail corner and attach it with your chosen attachment device. (The tensioning device still must be loose). Proceed in the same way with each sunsail corner. Make sure that the sunsail is in the middle of the attachment points. Small direction discrepancies can very quickly lead to wrinkling.
- Optional professional accessories can be found in our Soliday shop www.soliday.eu



Design advice

When the attachment points are on different levels (height difference: 0,5 – 3m) the concave modern lines and clear forms of the interior design elements “Sunsail” are brought to the fore.

BEWARE

If the sail is additionally planned as weather protection, resp. for long term use, pay attention to the sail inclination of at least 15 degrees. Rainwater must be able to drain off. Pay attention that no water bulges can form – the sail can be damaged permanently. (To be considered with the Soliday sunsail made of the material Austronet as well.)

FOR CHECKING PURPOSES

Squirt water with a garden hose onto the sunsail and check the optimal water drainage.

Mounting instruction, accessories and advice

ASSISTANCE FOR TENSIONING THE SUNSAIL

The easiest clamping device: stainless steel ratchet strap

As mounting aid, resp. as fixed tensioning aid you can use a strap ratchet. Hinge it into the attachment point, resp. around the mast on the one hand and then into the sunsail corner on the other hand. Now you can easily and comfortably tension the sunsail and fixate it with your choice of attachment accessories or leave the strap ratchet in use. The Soliday strap ratchet is made of high quality PES webbing and a stainless-steel ratchet, suitable for long-term outside use.

Beware: The sail may not be tensioned over its capacity. Damages of this kind are outside of the product liability.



TENSIONING STRAP WITH SECURITY SHACKLE

Very simple tensioning device. Due to the additionally integrated security shackle the sail can be easily and quickly taken down if sudden gusts of wind occur.



RIGID ATTACHMENT: WITH A STAINLESS-STEEL CARBINE

This kind of attachment can be used, depending on cutting and shape of the sail, only at one, resp. max. two attachment points, if the geometry of the sail is not disturbed. This is immediately obvious in the wrinkling of the sunsail. To have a crease-free, nicely tensioned sunsail, it must be tensioned in the middle between the attachment points. Stainless steel carbine: length: 7 cm.

TENSIONING DEVICE: THREAD TURNBUCKLE

High quality design thread turnbuckle made of stainless steel with closed sleeve.

M6 – fork/fork: 140 – 202 mm; tensioning distance: 62 mm

M10 – fork/fork: 196 – 280 mm; tensioning distance: 84 mm

M8 – hook/hook: 196 – 280 mm; tensioning distance: 84 mm



Distance attachment point – sunsail

When planning, resp. for the measurement specifications of the sunsail consider that there must be a distance from mast/wall to sunsail of at least **20 – 30 cm!**



TENSIONING DEVICE: WITH A 6 MM PES ROPE AND A PROFESSIONAL TENSIONER

Simple and very effective tensioning of a sunsail that can be detached anytime. Beware: for security reasons the rope must be additionally secured with a half pelt, resp. with a knot after the clamp. Distance attachment point – sunsail: over 6 cm – a couple of meters.



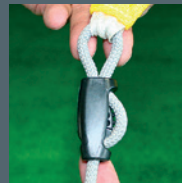
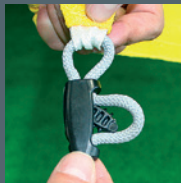
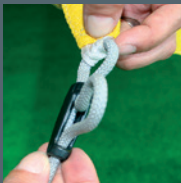
TENSIONING DE- VICE WITH A 6 MM RUBBER ROPE



Elastic, individual and strength conserving!

The quickly detachable connection can individually be mounted in length and clamping force.

**Minimum distance from mast/
wall to sail: 20 – 30 cm**



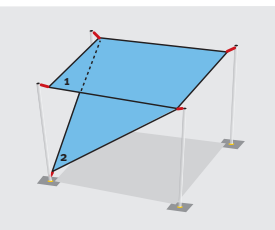
FIXED CONNECTION: “SHARKY” THE QUICK RIGGING CLAMP

The clamp for a consistently detachable 6 mm rope eye. It is small, easy and quick to operate without tools. Sharky is made of UV resistant synthetic with a high amount of glass fiber, hence no corrosion. (Breaking load 600 kg). Even with wet rigging and after high strain Sharky is consistently easy to open, resp. to adjust. A clean elegant solution for the attachment of the sunsail using a rope.

Application: in combination with a professional rope tensioner; easy rope tensioning or with a pulley and a security clamp.

Mounting instruction, accessories and advice

With Soliday accessories your sails are flexible



FLEXIBLE SHADE WITH HEIGHT ADJUSTMENT BY MEANS OF A GUIDE RAIL & SECURITY CLAMP

Who doesn't know the problem of constantly wandering shade? The parasol is heaved in regular intervals around the sitting area. No later than 15.30 the shade of the marquee is sticking to the wall and isn't where it should be.

With the 1,5 m long guide rail each sunsail can be variably and flexibly adjusted - large scale shade that can be individually adjusted equitable to the time of day.

Additionally, you have sight protection and glare protection from the evening sun. The inclination can be shifted during bad weather and the sunsail can be used as weather protection (at least 15° inclination, absolutely check and make sure that no water pockets form).

Planning a sliding rail

First, you must determine where and at what time of the day you need shade and where an inclination of the sunsail makes sense for you. Ideally the guide rail is mounted in the west. This way the shade can be optimally adjusted in the later afternoon and evening.

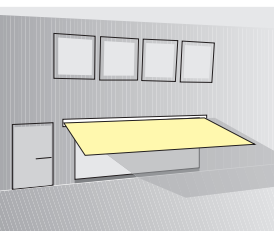
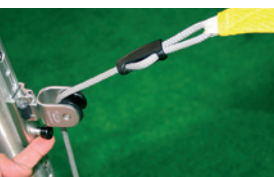
Operation

On the high-quality guide rail there is a smooth-running sliding carriage with a pulley. The sliding carriage can easily be adjusted variably with a hand movement on a length of 1,5 m. Under the sliding rail the 6 mm rope is wedged in with a Soliday security clamp.

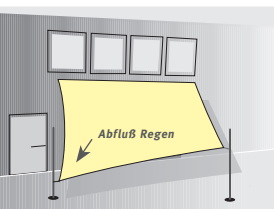
Beware

When mounting a sunsail with a Soliday security clamp make sure not to use any D-rings, resp. carabines, wire rope tensioners or any other hard objects on that corner. These must be removed in any case. The sunsail corner is merely knotted with a 6 mm rope, resp. wedged in with a Sharky rope clip and the rope in the security clamp. Any kind of metal or hard object on this corner of the sail can become a dangerous flying object with a sail flapping in the wind and can damage objects and injure people.

Depending on the inclination, resp. positioning of the sunsail different tensioning conditions can occur with the height adjustment on the side edges, that means the edges of the sunsail can possibly show a varying sagging.



With conventional awning
Shade after 15.00
Not adjustable.



With Soliday sunsail
Shade freely adjustable
with the **Soliday height adjustment**



Beware

Wrinkles can emerge when adjusting the inclination.



THE SOLIDAY SECURITY CLAMP – IN THE WORST CASE

The Soliday security clamp is an additional protection for overload by strong wind or rain, etc. It can be installed at one or many attachment points. It is a rope clamp for a 4 – 6 mm professional rope with slight expansion, which is attached to the sail led over a pulley.

Easy handling

The sail can be operated quickly and easily. With strong wind the sail can be relieved by hand, resp. be tensioned again afterwards.

The Soliday security clamp is continuously adjustable and can be adapted to the requirements at hand. The security clamp is exclusively intended as predetermined breaking point in an emergency. You must regularly check its functional efficiency. The general safety and operating conditions for sunsails are valid despite the use of a Soliday security clamp and should implicitly be followed.

Beware -important!

On the sunsail corner, where the auto-release clamp is installed, the sunsail may have no D-ring, resp. needs to be removed!

Hard objects that are under a freely fluttering Soliday sunsail can lead to substantial injuries and material damages.



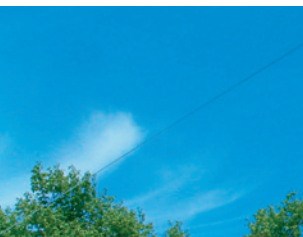
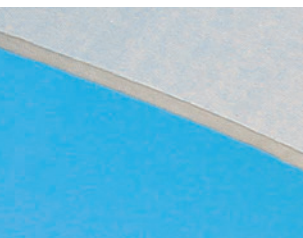
THE PROPER CARE AND MAINTENANCE OF YOUR SOLIDAY SUNSAIL

The material of the sunsail is, opposing to an awning, outside and unprotected in any wind or weather condition. Therefore, the material is exposed to a much higher strain. The utilized materials at Soliday are selected according to stringent rules and functional requirement profiles. Our materials are technical knittings and fabrics with the best requirements for sun protection. Still you must pay attention to the appropriate treatment and care.



CARE/SERVICE/WINTERING & MAINTENANCE FOR A LONG LIFE OF YOUR SUNSAIL

- Remove the attachment devices carefully from the sail to avoid damages.
- Clean the sunsail thoroughly before dismounting. Pay attention that no soiling like leaves, tree specks, bird droppings, etc. are on the sail.
- Roll up the sunsail in dry condition and stow in a dry UV - light protected place. This way you can avoid possible material discoloration, mold formation, wrinkling and unpleasant smell.
- Check your sunsail regularly before each application for possible wear marks.
- Avoid overstretching the material through water bags, hail or snow loads. This can lead to lasting overstretching of the material.

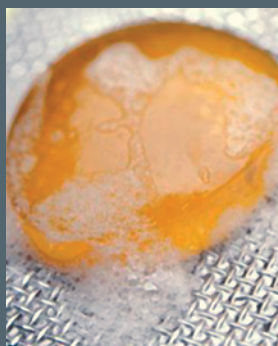


Beware: water bag = total write-off

MATERIAL & CARE INDICATION FOR SUNSAILS MADE OF AUSTRONET MATERIAL (KNITTING)

Austronet is a very easy to clean and robust fabric. It is made of environmentally friendly, highly tearproof HDPE Hostalen strip bands and convinces with its high shadowing value and light surface weight. Austronet is a wind – and air permeable material – no heat accumulation under the sail. The material Austronet is very easy to clean. Just clean with water, resp. a mild detergent up to 30°C and a soft brush, then rinse with the garden hose. Using certain chemicals, such as chlorine, can lead to premature disintegration. DO NOT put the fabric into the washing machine or tumble dryer and do NOT scrub the fabric with a hard brush, a scouring sponge or abrasive cleaners.





AUSTROSAIL SAIL CLOTHS ARE TAILORED SEWN

Which means you have the security of a water-resistant fabric. Water can of course get through by the seam. (Depending on the water column.)

There are limits to technology. Under circumstances it can happen that small dashes of color, resp. weaving flaws occur. From our present point of view these causes cannot be solved due to product technical reasons. This does not count as objection, resp. reason for complaint.

QUICK GUIDE, INDICATIONS AND CARE RECOMMENDATION FOR AUSTRONET FABRICS

- Wash Austronet fabrics with liquid detergent (soap, washing-up liquid) blended with water.
- Soap solution: about 5%
- Water temperature: about 30° C
- Austronet fabrics can also be cleaned using a soft brush
- Remove dust periodically
- Cleaning with a high-pressure cleaner can be done from a distance of about 1 m. The sail cloth must be laid down on the ground (beware: otherwise bulges emerge).
- If the sail is hung up to clean, you risk getting bulges in the Austronet fabric.
- It depends on the environmental influences (traffic, air pollution, industry exhaust gases etc.) if it is necessary to clean or not.
- It is recommendable to clean regularly, depending on the degree of soiling
- If the sunsail is only cleaned after many years of implementing, a new condition cannot be reached.

MATERIAL- & CARE INDICATION FOR SUNSAILS MADE OF AUSTROSAIL FABRICS

Austrosail fabrics are high quality water-repellent coated textiles. These cloths stand out with their noble textile character, good shadowing values and good outdoor capacities. They stay resistant to rain when well cared for and when inclined during a short light rainfall. With longer rain and stronger wind, the sailcloth must be pulled in, resp. hung off to avoid damages, resp. bulges.

Austrosail fabrics have special dirt repellent coating and are water repellent. Suitable care products can also be found in our internet shop under www.soliday.eu.

The cloths may not be exposed to strong mechanical use. Using certain chemicals, for instance chlorine can lead to premature decomposition, as the equipment of the Austrosail fabrics could be affected. Do NOT put the fabrics into the washing machine or in the tumble dryer and do NOT scrub with a hard brush, a scouring sponge or a scouring detergent, as the equipment of the Austrosail fabric could be affected.



QUICK GUIDE & INDICATION CARE RECOMMENDATION FOR AUSTROSAIL CLOTHS

- Please be very careful with all cleaning procedures.
- Soap solution: about 5 %, resp. special cleansing products can also be found in our internet shop.
- Temperature of water: about 10 – 20° C
- You can also clean Austrosail cloths from dried and superficial dirt using a soft brush.
- Dust should periodically be removed.
- Contamination like foliage or similar dirtying should be removed immediately (protection from microbial infestation).
- Single greasy or dirty strips are best removed with an eraser.
- Persistent spots can be washed off the Austrosail fabric with customary, preferably liquid detergent resolved in water. Then rinse thoroughly with cold water. If necessary, post treat with special impregnation product.
- Damp parts need to be dry before pulling in the sail.
- Special care products can be found in our internet shop under www.soliday.eu
- If cleaning is necessary or not, depends on the influence of the environment (traffic, air pollution, industrial exhaust gas, etc.).
- Depending on the degree of soiling it is recommended to clean regularly.
- If the sail cloth is only cleaned after years of implementing a new condition cannot be obtained.
- Austrosail fabrics are equipped with a special impregnation that diminishes with each cleansing.

YOUR SUNSAIL FABRIC IS NOT MENTIONED HERE?

As innovative pioneers for sunsails Soliday constantly tests new sunscreen fabrics with even better characteristics. Should your Soliday fabric not be mentioned here, you can find the current material- service- and care indications in the internet under

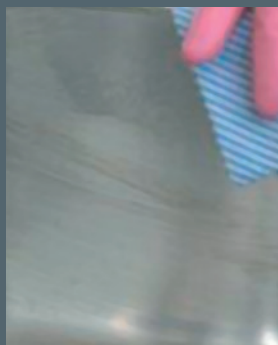
WWW.SOLIDAY.EU/SEGELTUCH



MATERIAL & CARE INDICATIONS FOR STAINLESS STEEL MASTS

Stainless steel is corrosion-resistant. A certain amount of care needs to be taken of stainless steel surfaces, so that a good visual appearance is preserved, and deposits are removed, that could affect the corrosion-resistance under circumstances.

With outdoor application ensure with regular cleaning that no deposits can occur due to air pollution. Cleaning is important especially on coasts, close to frequented roads, close to swimming pools with chlorine in the water, in industrial atmospheres – where ever a concentration of chlorides and Sulphur dioxide can be found. Injuries of the stainless-steel coating through sharp objects like tools, knives, etc. are also harmful. These kinds of deposits and mechanical injuries can penetrate the passive protection coating of the stainless steel and lead to a punctiform corrosion phenomena. With the brushed and smoothened surfaces fingerprints are the beginning phenomenon. After a couple of cleaning rounds with conventional stainless-steel detergents (available in any super-, resp. construction market) the corrosion protection and the nice stainless-steel look is reproduced.



MATERIAL & CARE INDICATIONS FOR ALUMINUM MASTS

Staub, Flecken und leichte Verschmutzungen entfernen Sie ganz einfach mit lauwarmem Wasser. Hartnäckige Schmutzstellen lösen sich leicht, wenn Sie einige Spritzer eines herkömmlichen Reinigungsmittels ins Wasser geben. Vermeiden Sie in jedem Fall eine trockene Reinigung – dabei können Kratzer auf der Oberfläche entstehen. Zusätzlich gibt es noch Eloxalreiniger, die dem Aluminium seinen matten Schimmer wieder geben und gleichzeitig die Oberfläche konservieren.



Care & cleaning advice

For the care and cleaning of stainless steel use a conventional detergent that can be found in any supermarket of your choice. After cleaning use a care oil (available in any construction market) – about 3 times yearly. This way you are sure of perfect cleaning, caring and look of your Soliday sail mast.

Questions that might arise after the purchase

1. YOUR SUNSAIL MEASUREMENT IS NOT IN ACCORDANCE TO THE ORDERED MEASUREMENT?

You received your sunsail and the sunsail looks much smaller than when you ordered it?

In order for the sunsail to keep its shape it is necessary to optimally tension the sunsail between the attachment points. Consider that a sunsail is made of textile fabric and every sailcloth is stretched under tension. A Soliday sunsail is cut and manufactured in such a way, that even after many years of hard outdoor use it keeps its shape. In order for this to be achieved, the sunsail has to be re-tensioned every once in a while. Soliday already includes this coefficient of expansion in the calculation. That means that upon delivery the sunsail, depending on the fabric, can show up to minus 4 % of the original edge length. All Soliday sunsails are provided with a concave cut to achieve a perfect form with a minimum of sagging. When tensioning the sail these concave lines are pulled into straight lines to achieve the optimal form of the sail. During this process the sail edges become longer again. Additionally, you need space for the sail tensioning, resp. mounting between sail tip and attachment point.

2. MEASURING METHOD TO VERIFY THE MEASUREMENT OF THE SAIL



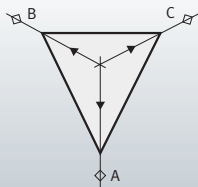
Spread the sail loosely...



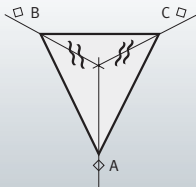
The sunsail is measured beginning from the outermost point of the corner. This point serves as attachment point of the sail, resp. for further attachment accessories.



Then the side length is tensioned and measured under tension. The measuring tape is positioned at the outermost point of the sail corner- i.e. incl. belt strap loop, D-ring or carbine.

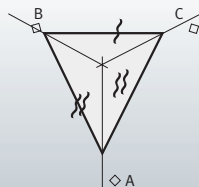


Correct



Wrong

The sunsail is lying beyond the center and cannot be tensioned properly. The consequence is wrinkling.



Wrong

The consequence is wrinkling

3. DOES THE SUNSAIL WRINKLE STRONGLY IN TENSIONED CONDITION?

In opposition to a wooden plate or a roof, sail cloth is a flexible material. When tensioning the sunsail pay attention to do this exactly in the center of all attachment points. Even small shifts of the sunsail in one direction lead to shifts in the balance of powers in the sunsail and are crucial facts for wrinkling, sagging or varying tension of the sunsail edges.



Correct



wrong



solution

4. THE SUNSAIL IS NOT HANGING TIGHTLY STRETCHED BETWEEN THE MASTS.

Check the deflection of your masts.

Diameter, material strength and height of the masts are crucial factors for the stiffness of a mast. However, masts always yield a bit depending on size, weight of fabric and tensioning strength of the sunsail.

Corrective measures: if you did not measure the sunsail in pre-tensioned condition of the masts, resp. too little scope was considered for the tensioning, you can pretty easily solve this problem by clamping the masts backwards by means of ropes/wire ropes and thus giving the masts additional stability, resp. bringing them back into the original condition.

THE SOLIDAY PRODUCT GUARANTEE

The manufacturer guarantees the free of charge correction of defects that are due to material- or manufacturing errors. When noticing a defect, you are obligated to immediately notify Plaspack Netze GmbH, Dr. Grobben-Straße 1, A - 4690 Schwanenstadt.

1. All claims in accordance with this product liability must be made in writing to Plaspack Netze GmbH, Dr. Grobben-Straße 1, A - 4690 Schwanenstadt. All claims need following attachments: a description of the manufacturing error, resp. the sunsail for laboratory test purpose and the proof of purchase, inclusively receipt or invoice of the purchase.
2. Plaspack Netze GmbH will not be liable for any claims being required that are outside this guarantee description in relation to a product under the following circumstances:

Diese Garantie deckt Folgendes nicht ab:

- Improper use or misuse for a purpose for which the product is not intended.
- Measurement error of Austronet up to - 4%, Austrosail/Austrosail Nano -3%.
- Improper mounting.
- When the defect totally or partwise is due to an action or a failure to act by a person, with exception of Plaspack Netze GmbH.
- When the product was exposed to misapplication, omission, accident, use of force or misuse.
- When the product was modified or changed in a way that was not authorized in writing by Plaspack Netze GmbH.
- Insufficient care or natural abrasion.
- When the product was used in a way that violates or conflicts with the instructions or warnings delivered by Plaspack Netze GmbH.
- Damage on the product caused by: impact of chemicals (including chlorine), mounting the product close to open flames (including flames from a barbecue grill), tensioning the product over its tensile strength and clamping force, especially through mechanical friction or wind damage, caused by strong wind or bulging of the material, caused by improper additional stresses.

3. The manufacturer is not liable for causal damages or consequential damages of any kind. The manufacturer may decide to comply with the guarantee by repair or replacement delivery (but not another component). With sunsails made to measurement the guarantee can only be validated on the originally indicated dimensions. New deliveries with altered dimensions are not valid. Further claims shall be excluded. The manufacturer reserves the right to return freight unpaid in the case of not unauthorized guarantee submission. The Soliday warranty services are free of charge in the first 2 to 3 years after the purchase.

After the third, fourth year of use the warranty service is yearly reduced by 10% of the purchase price, so that in the third year of use 30%, in the fourth year of use 40% and in the fifth year of use 50% etc. are to be calculated as customer share.

4. Product warranty for sunsails made of Austronet fabrics (knittings)

5 years/3 years guarantee on UV radiation. The warranty amounts to direct consequential damages which are induced by UV radiation, as for instance tearing or disintegration of the material. The Soliday product has a guarantee liability within 5 years/ 3 years from the date of purchase by an authorized Soliday dealer, general agent, trading partner, resp. directly from Plaspack Netze GmbH.

This warranty does not cover the following::

- Fading of the color of the product (also when caused through the influence of UV radiation)
- Streaks in the material, resp. light color deviation of the sunsail from patterns, catalogues, resp. internet. These deviations and appearances are in accordance of the possibilities of the present state of the art.
- Measurement error of -4%.

5. Product warranty for sunsails made of Austrosail fabrics

The Soliday product made of Austrosail PES has a product liability of 2 years, the Soliday product Austrosail Nano/Austrosail Acryl has a product liability of 3 years from the date of purchase by an authorized Soliday dealer, general agent, trading partner, resp. directly from Plaspack Netze GmbH.

The sunsail cloth Austrosail/Austrosail Nano/Austrosail Acryl are high performance products which must meet strict technical requirements. Although when manufacturing only controlled cloths of first choice are used, there are limits to perfection. There may be circumstances when small dashes of color, resp. weaving faults occur. From the present state of the art these causes cannot be solved due to product - technical reasons. This cannot be considered as objection, resp. as reason for complaint.

This warranty does not cover the following

- Fading of the color of the product (even when caused by impact of UV radiation)
- Any kind of soiling by environmental influences or other influences, which were not caused by Plaspack Netze GmbH.
- Foldings or light refractions: result from manufacturing and when folding the sail
- Ripples in the seam- and length of material areas: can result along the side seams, in the area of the stitching and in the middle of the lengths. The cloth is double laid along the seams. Thus various pull behaviors occur. Through the tension in mounted condition this effect can be favored.
- Bulging and waviness: can result through development of water bags.
- Density of the seams: especially with new sails, depending on the inclination of the sail, it can happen that repeatedly water passes through the seams. This condition is state of the art. That means, Austrosail PES and Austrosail Nano are partly water resistant (acc. water column statement). According to the desired image of these seam the cloth lengths are sewn with a special tear-resistant double laid seam. Due to the pinholes it can happen, especially in the beginning, that water permeates through the pinholes. Due to general environmental influences like deposits and general air pollution these seams become denser over time.
- Irregularities in the cloth as for instance dashes of color or slight irregularities can occur due to product-technical reasons and are state of the art in weaving- and coating technology and cannot be completely excluded.
- Measurement error of – 3%.

6. During the guarantee period defective sunsails can be sent to Plaspack Netze GmbH carriage forward. You then receive a new or repaired sunsail free of charge.

In the case of return delivery get in contact with our Soliday service address Tel.: 0043 (0) 7673 – 2478 – 0 for technical information and consultation.

After the expiration of the guarantee period you also have the possibility to send the defective sunsail to us for repair.

After the expiration of the guarantee period necessary repairs are fee-based including shipping. Your legal rights are not restricted by this guarantee. Please do not forget the receipt, resp. the invoice in case of a possible return.

Important note

No claims for compensation can be granted on the caring indications, as the results in each particular case depend on many, very different influences.

Exclusion of liability

The existing instructions serve exclusively for self-installation. Requirements to the mounting are essentially dependent on the local conditions and factors, as for instance quality of the structure or of the ground, local wind conditions, etc. ... If you have technical questions concerning mounting attachment points you should get the opinion and support from an expert, resp. builder in your area. We gladly provide information on questions concerning the mounting of the sail. Slight color deviation, resp. color shading is state of the art. The company Plaspack Netze GmbH does not assume responsibility and liability for the mounting.

Soliday® is a registered brand name of the company Plaspack Netze GmbH

Dr. Grobben-Straße 1, A-4690 Schwanenstadt, Austria











Tel.: 0043 (0) 7673 - 2478-0, Fax: 0043 (0) 7673 - 2478-266

e-mail: office@soliday.at, www.plaspack.eu, www.soliday.eu





the art
of shade

				
SOLIDAY A manually rollable sunsail system	SOLIDAY M manually rollable sunsail system	SOLIDAY C fully automatic rollable sunsail system	SOLIDAY CS fully automatic rollable sunsail system	SUNSAILS MADE OF TONAL MEASURE
				
STANDARD SUNSAILS	TOWN-IN SUNSAILS	OUTDOOR CURTAINS	SANDY - SYSTEM	BALCONY COVERINGS WIND & PRIVACY PROTECTION



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