Maxi Maanta guide

In this guide you will find specific and technical characteristics of waterproof and breathable sails, instructions on which fabric to choose, as well as on how to measure, assemble and maintain your shade sail.

MAANTA

Index

Page 3
1 • Discover the 4 fabrics of Maanta sails

Page 12
2 • How to take measurements

Page 18
3 • How to install a shade sail

Page 27
4 • Carports

Page 33
5 • Made-to-measure shade sails

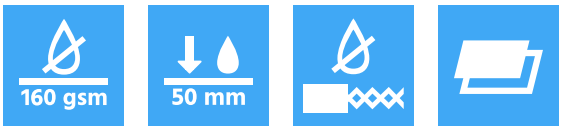
Which fabric is better to choose: waterproof or breathable? Discover the 4 fabrics of Maanta sails!

Maanta shade sails are available in **4 different fabrics.**

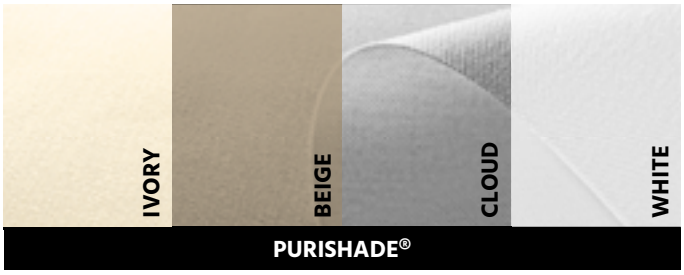
The **Easy Shade** waterproof sails are made of **160 gram polyester with a double PU coating,** while the Easy Shade breathable sails are made of **180 gram virgin high density polyethylene (HDPE).**

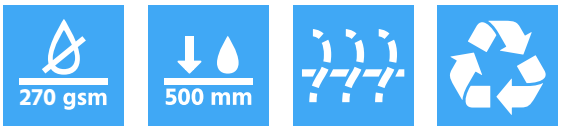
The **Made in Italy Saill and Solaria** sails are made of **Purishade® polypropylene in the waterproof version and a very strong 320 gram HDPE in the breathable version.**

Our waterproof fabrics



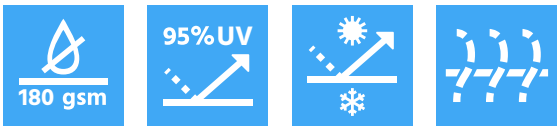
POLYESTER 160g
A 160g polyester fabric with a double PU coating. Thanks to a few technical details and sealed seams, it offers **good waterproofing and tension.**
It is definitely a reliable fabric for the entry level range and protects effectively against rain.



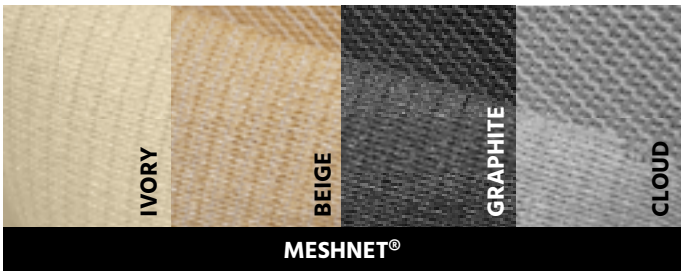


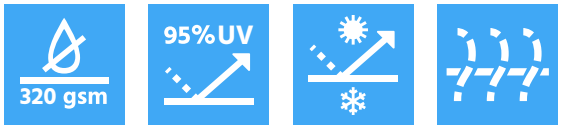
PURISHADE® 270g
An environmentally friendly fabric made of highly ecological polypropylene and suitable for recycling.
It combines **excellent mechanical properties** (tensile strength, tensile strength) with a **great balance between impermeability** (500 mm water column) **and breathability:** this helps us to have an excellent exchange of air useful to perceive a much lower temperature during the summer (thermal reduction 37%).
The persistence of the colour is fantastic over time and testified by the results of laboratory tests (7/8 ISO 105B02).

Our breathable fabrics (not waterproof)



HDPE POLYETHYLENE 180g
The 180 gram woven virgin polyethylene is a **reliable and functional** entry level fabric.
It has **excellent wind resistance** and thanks to its braided mesh allows heat to escape upwards, creating cool areas protected from UV rays. Particularly suitable for bathing establishments or car park covers.





MESHNET 320g
Our Meshnet® 320g is an **extremely strong braided virgin polyethylene.** Thanks to this characteristic, it is able to form a **heat shield** that provides cool shade to all outdoor areas.
This characteristic makes it possible to obtain **cool shading** for all outdoor areas: it allows heat to pass upwards and keeps the environment underneath the cover ventilated. Its dense mesh also allows 40% of the water that falls on the roof to drain away!

Features of Maanta Waterproof Sails

The fabric of our Easy Shade sails is a 160 gram per square metre polyester with a double polyurethane coating and perimeter webbing.
The **double polyurethane coating** ensures greater waterproofing, which is **one of the advantages** of Maanta sails over competitor sails. **The sail is machine washable at 40°.**

The fabric of the Saill and Solaria sails is **Purishade® 270 grams per square metre.** The innovative coating allows it to be both **waterproof** (500mm water column - which means it can withstand the pressure of 50cm of water before it starts to drip!) and **breathable** (breathability g/sqm/24h 700).

This makes for a fabric that is both **waterproof** and **'cool'.** In addition, polypropylene is famous for its **anti-mould properties** and for its **mechanical properties** such as resistance to tension and abrasion.

Finally, the main thing: polypropylene is the fabric with the **lowest environmental impact index (37) in the HIGG eco-friendliness ranking,** which takes into account the impact on various factors including global warming, eutrophication, water use in the production process, depletion of fossil resources, CO2 emissions, and chemical use.

Advantages of waterproof fabrics

They provide complete protection from rain (water column 50 and 500mm). **They protect the shaded area** both from rain but also from leaves, dirt and more.

Disadvantages: Waterproof polyester **retains heat** creating a heat-locked effect. It is also more susceptible to abrasion, tearing and wind pressure.

Attention: In order to guarantee a very high resistance to wind and rain, we recommend that the fabric is correctly tensioned. A well-tensioned fabric copes better with wind and lets rain run off more efficiently.

The waterproof sail must be tilted by at least 25% of the length of the longest side. If the sail is not properly inclined, central pockets may form in which large amounts of water accumulate. This could result in damage to the sail.

The combination of tension and inclination is essential for the proper functioning of waterproof sails.

The characteristics of HDPE breathable fabric

Our **Easy Shade breathable sails are made of 180 gram VIRGIN polyethylene.** By using a non-recycled material there is much more quality in the filament and this guarantees durability. The shade sails are **washable** with a pressure washer.

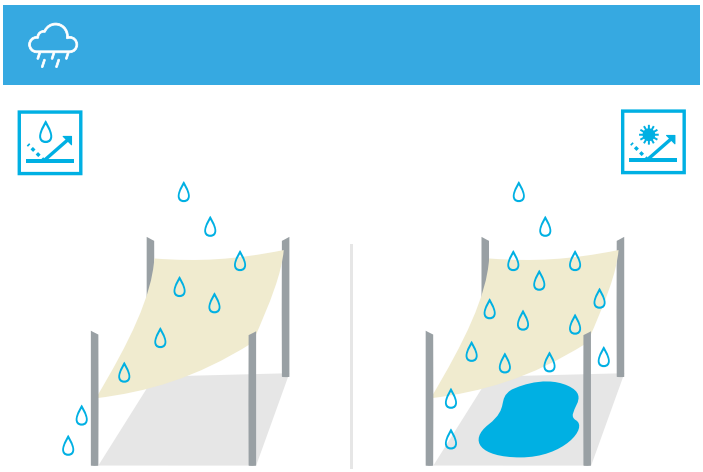
The breathable sails made in Italy Saill and Solaria are made of **Meshnet® HDPE,** a very strong fabric, 320 grams per square metre. A fabric of this thickness is able to develop a thermal shield, thanks to which better summer freshness is achieved.

Advantages of breathable fabric:

• Incredibly **resistant to wind gusts** because the air passes through the tissue
• **Lets warm air escape 'naturally' upwards** without creating a 'hood' effect
• Mould-resistant, tear-resistant, more durable and more resistant to traction.
• Does not accumulate any air or water pockets.

Attention: the breathable sail must be correctly tensioned. The more tensioned the sail, the more stable and wind-resistant it is. Furthermore, if the sail is also tilted correctly, rainwater will run off down the corners. If correctly tensioned and pitched, the 180 gram polyester fabric will allow 20% of rainwater to run off, and the 320 gram Meshnet® fabric 40%.

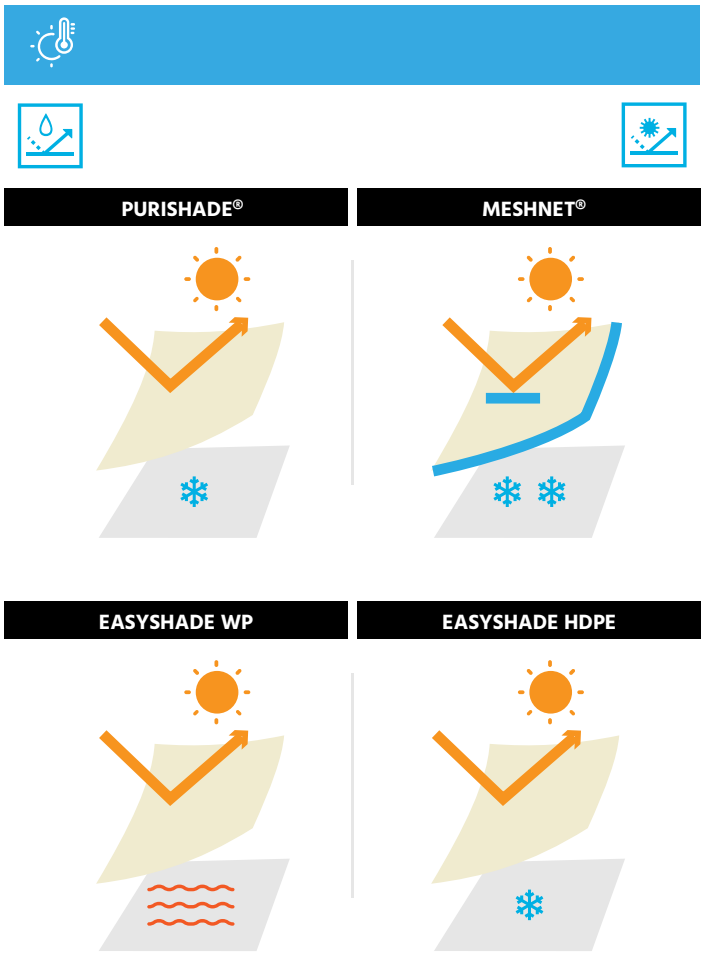
All Maanta sails and anchoring accessories are particularly robust and specially designed for above-average tensions!



For protection from the rain: which fabric is recommended?

If you need protection from the rain, we recommend the waterproof sails, which are treated with various coatings that guarantee waterproofness.
To achieve optimum performance, **we recommend that you follow the assembly instructions and tension and pitch the sail correctly.**

The breathable fabric is not waterproof. If properly tensioned, it filters approx. 20% or 40% of the water for the 180 gram polyester fabric and the 320 gram Meshnet® respectively. The breathable fabric, however, is very durable and withstands weather exposure effectively. The shade sails have an anti-mould treatment and dry quickly after rain.



For protection against heat

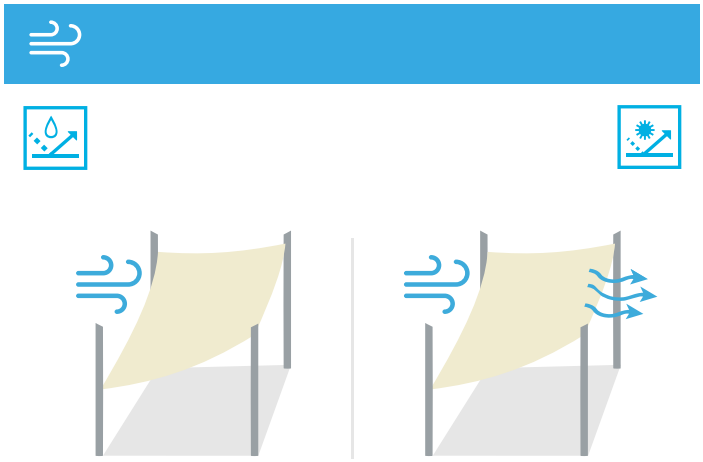
On the hottest days of the year it is important to provide protection from the sun.

Both types of fabric (waterproof and breathable) create a shaded area protected from harmful UV rays.

The **Purishade®** polypropylene waterproof fabric is also breathable and **provides summer freshness.** Our tests indicate a heat reduction of 37% between the top and bottom of the fabric.

The breathable 180 gram HDPE fabric allows heat to flow upwards and out through the sail. This creates a cool and shady environment.

Finally, **the breathable 320 gram HDPE fabric** not only allows warm air to pass through but also creates a **better thermal shield** than the 180 gram version, thanks to its **robustness.**



Wind resistance

Maanta carefully chooses its products to provide the consumer with **safety and robustness.** Both breathable and waterproof fabrics are wind resistant.

However, **the breathable fabric is more suitable for this specific function,** due to its open knitted texture which allows greater air circulation through the fabric.

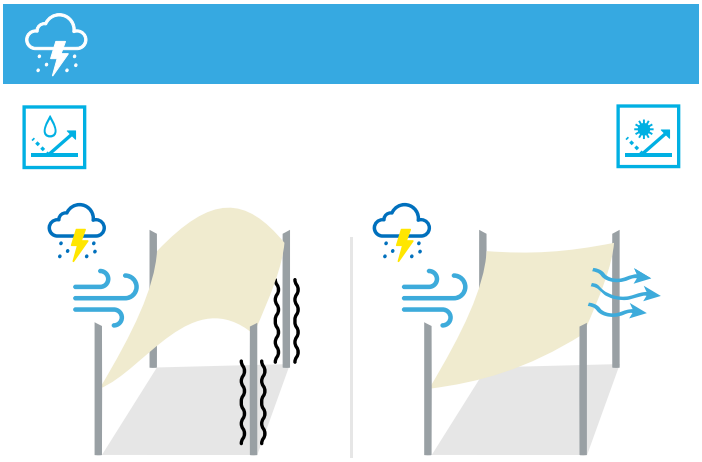
Waterproof fabric traps the wind and tends to transmit its force to the anchorages.

When properly tensioned and tilted, a waterproof sail can withstand Beaufort Scale winds of 30-39 km/h in the case of Easy Shade, 40/50 km/h in the case of Saill, or 51/62 km/h in the case of Solaria.

The breathable fabric, on the other hand, allows the wind to pass through the mesh of the HDPE fabric. In this way, the force of the wind is transmitted neither to the fabric nor to the anchors.

When correctly tensioned, a breathable sail can withstand Beaufort Scale winds of 51-62 km/h in the case of Easy Shade, and up to 55/65 km/h in the case of Saill or Solaria.

We therefore recommend the use of a breathable sail if the place of use is particularly windy.



In case of storms and hail

When does bad weather make it necessary to remove the sail?

The answer depends mainly on 3 factors: the fabric, the tension and the angle of the sail.

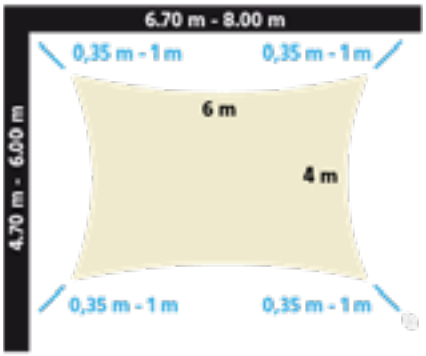
Waterproof fabric
The waterproof fabric may tear in very strong winds and under the force of hail.
We therefore recommend removing the waterproof sails in case of storms or hail.

Breathable fabric
Breathable fabric tends to absorb the stresses of hail and wind much better, as it is slightly elastic.
Its elasticity allows hailstones to bounce off without causing damage, while the type of texture allows air to pass through making gusts of wind less of a problem.
HDPE fabric shade sails do not have to be dismantled in case of storms or hail, as long as they have been properly tensioned and tilted.

How to take measurements for your shade sail?

What size to choose according to the space available?
This is a question that arises spontaneously and creates quite a few doubts that we can soon resolve.

In this illustrated guide we explain in a few simple steps how to choose the perfect sail for your space by identifying the distance from the anchors, the tilt and the tension of the sail.



The importance of anchorages for shade sails

Choosing the correct size of a shade sail may seem difficult, but thanks to this guide you will know how to take measurements even if you are a beginner in DIY.

Let's start with a general concept: **sails need to be anchored at each angle.** Between the anchor point and the stainless steel ring placed on the corner of the sail we need to place a tension device that allows us to tension the sail to the maximum.

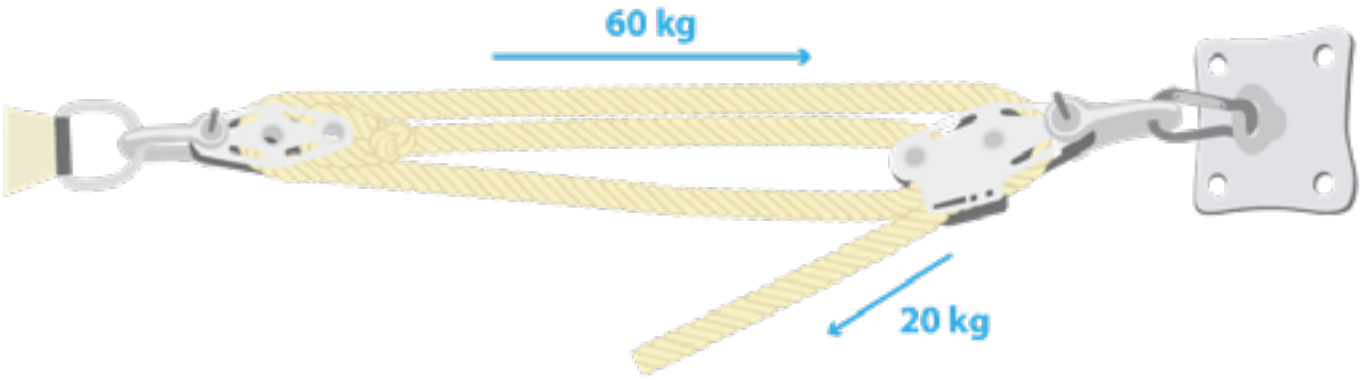
The **minimum dimension** of the tension device is **35 cm,** and this is also the recommended dimension. **There should be a maximum of one metre between the sail and the anchor.**

• **Minimum distance** between the corner of the sail and its anchor point: **35cm.**
• **Maximum recommended distance** between the corner of the sail and its anchor point: **100cm.**

Therefore, from the available area we must always subtract **AT LEAST 70cm** (2x35cm) to calculate the size of the perfect sail for us.

Some examples:

• **TOTAL AREA 5.20 X 4.80 = usable area 4.50 x 4.10**
We can choose whether to make a custom-made sail of these dimensions or to purchase a standard 4x4 sail.
• **TOTAL AREA 6.70 X 5.20 = usable area 6.00 x 4.50**
We can choose whether to make a custom-made sail of these dimensions or to purchase a standard 6x4 sail.
• **TOTAL AREA 3.90 X 8.70 = usable area 3.20 X 8.00**
We can choose whether to make a made-to-measure sail to cover the 24 square metres or to cover 18 square metres by installing a 3x6 with which we are at the limit, as we will have a distance of 1 metre on the 6-metre side.



Anchorage types and dimensions

We always recommend the **Muscle x3 kits** because with just one product you will have **maximum effectiveness in terms of space** (the kit allows you to go from 35 cm to 1 metre without the need for other accessories), **multiplication of strength** (with just 15 kg applied to the line the wing will receive 45) **and quick release.**

The Musclex3 system is included with all Maanta poles and is also available as a wall mounting kit which comes with a wall plate!

The Simple kit equipped of classic tie rod is certainly valid but does not have a force multiplier and is adjustable from 30 to 40 centimeters, to add space you will need to add additional carabiners.

The Nautical Rope kit is certainly effective, the adjustment is dynamic up to one meter but there is no force multiplication or quick release.

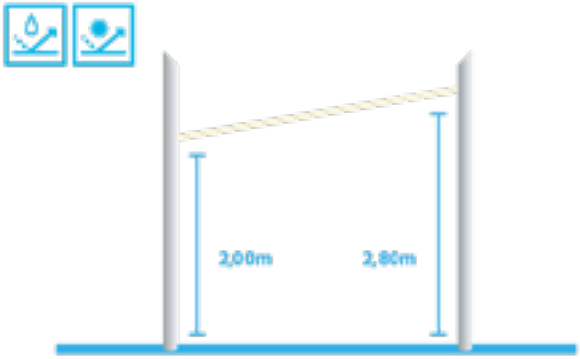
Measuring and designing the anchorage using our shade sail poles

Our poles have been developed to allow multiple angles to hook into the front and rear lanes.

Alu-Simple is made of painted aluminium. This material is less flexing than steel: this will help the sail to r**emain more tensioned,** which will make it consequently more resistant to rain and wind.

Ulisse is made of elliptical steel: this material was chosen because it is also **less flexing** and has a more refined design.

The base of both poles is made of **sturdy 1 cm thick galvanised steel.** The base and stump alone weigh over 10 kilos, just to give you an idea of the strength of the poles.



It is essential to have a **good height difference between the sides,** especially in waterproof sails.
Only thanks to the slope will the water flow correctly !
We recommend a **minimum of 80 centimeters** but the more we tilt the better, especially in the case of sails over 20 square meters!

Some factors that can cause unpleasant and dangerous situations are: incorrectly sized and flexible poles, lack of slope and lack of tension.
The risk is greater in waterproof sails because large pockets of water may form.
In this case the sails and poles will become distorted and unusable.

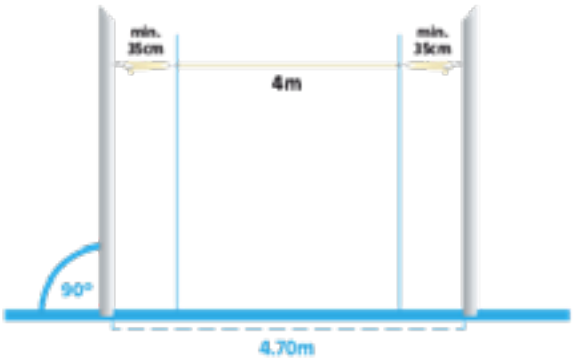
Example of installation with Maanta sails, **NOT correctly tensioned and tilted, and NON-Maanta poles.**

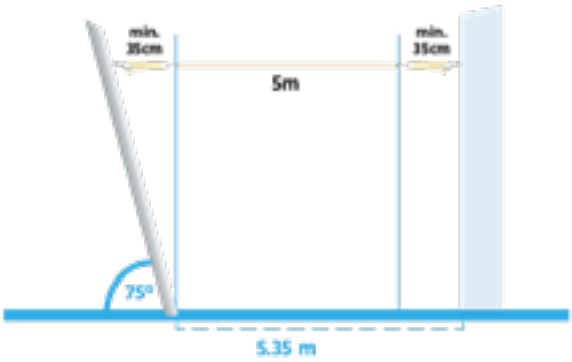
The result after the first heavy rain is disastrous. The photo you see here is explanatory and testifies to the resistance of our fabrics!

The customer then chose to equip himself with the Maanta kit, thanks to which he was able to have correct tension and inclinations with an incomparable aesthetic and functional effect.

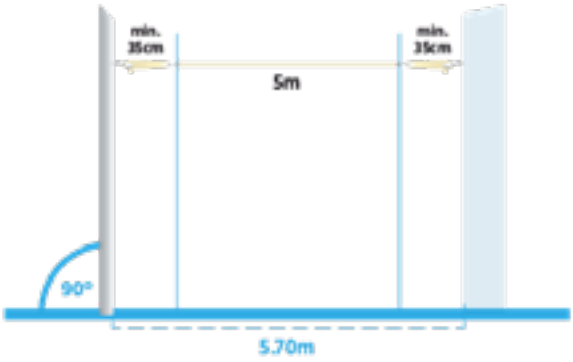
Measure the overall dimensions of the anchors using Alu-Simple poles

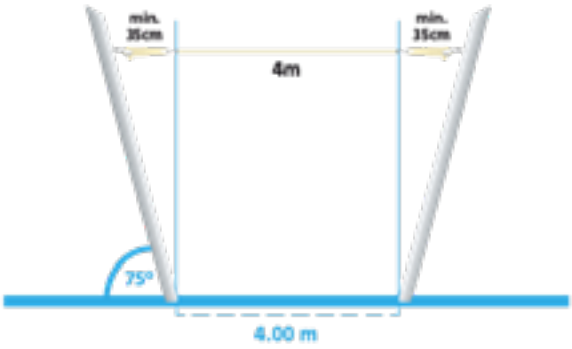
The bulk of the tie rod is entirely absorbed in case of inclination at 75 ° while we must take it into account in case in which we choose the pole version for sails shading at 90 ° or with wall collar..

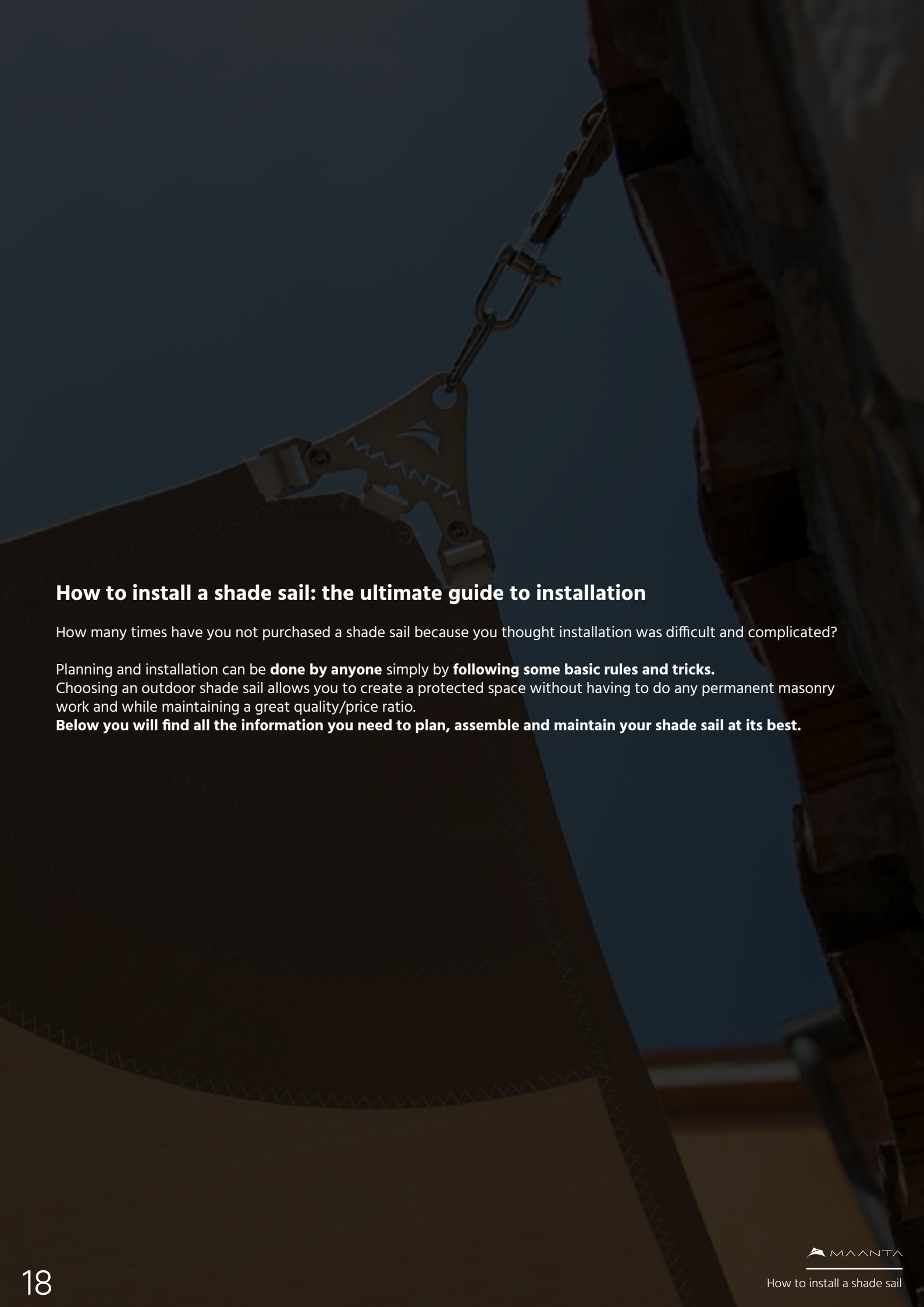




Therefore if we decide to cover with a sail with a 4 meter side we **must NOT** calculate the size of the tie rod if we take the 75 ° version while we have to calculate the presence of the tie rod and drill at 4.20 meters in the case of a 90 ° pole or wall collar.







How to install a shade sail: the ultimate guide to installation

How many times have you not purchased a shade sail because you thought installation was difficult and complicated?

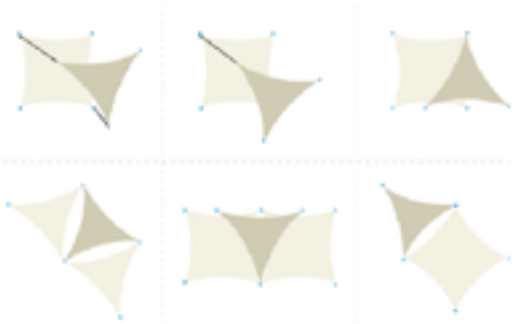
Planning and installation can be **done by anyone** simply by **following some basic rules and tricks.**
Choosing an outdoor shade sail allows you to create a protected space without having to do any permanent masonry work and while maintaining a great quality/price ratio.
Below you will find all the information you need to plan, assemble and maintain your shade sail at its best.

Choosing the area in which to install a shade sail

Sails can be installed basically **anywhere.**

They can be adapted to **small areas** of just a few square metres, **up to larger areas** using compositions, side-by-side and overlapping to achieve unique effects!

Here on the side you can observe graphics reproducing just a few of the endless installation possibilities.

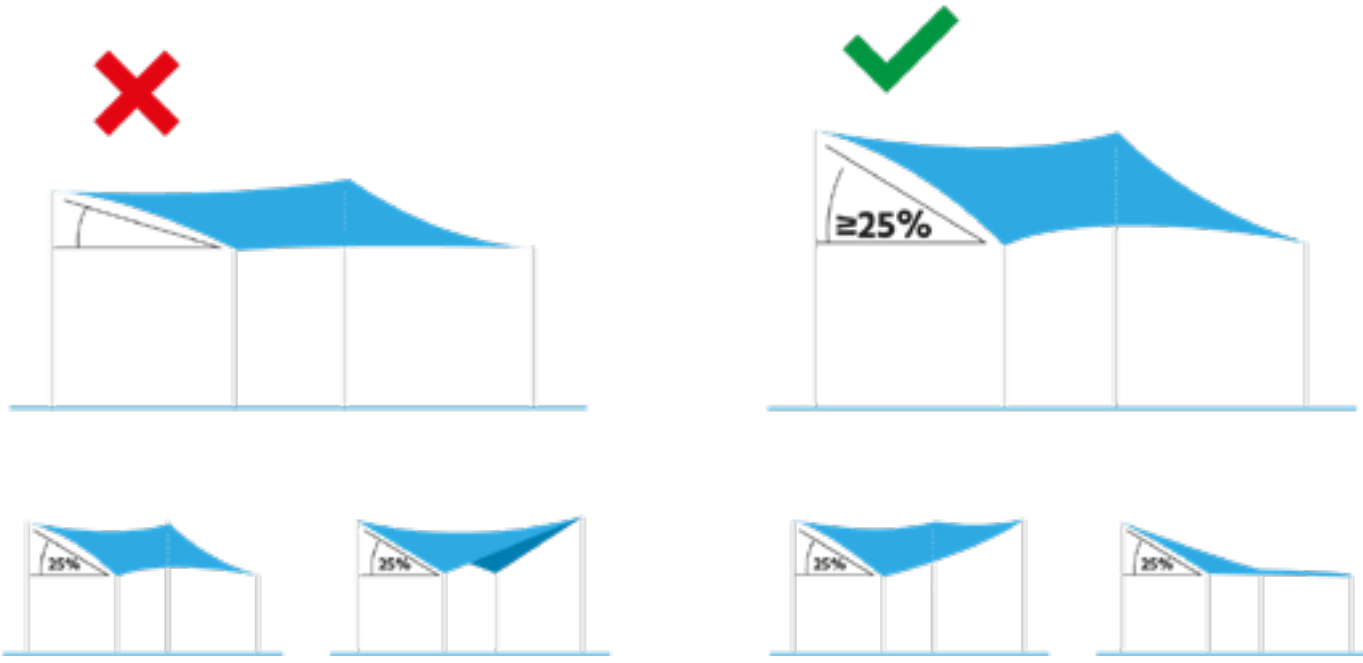


Where to anchor the sail flaps? Tips and advice

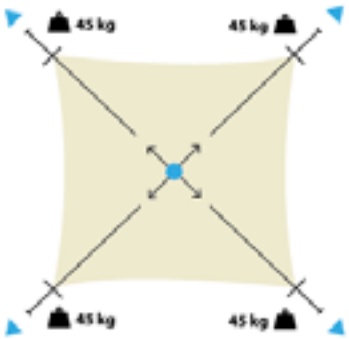
Once you have decided on the area you wish to cover, you need to identify the **anchorage points** for all the edges of the sail.

The sail can be anchored to existing structures (walls - masts), as long as they are **able to withstand the sail's tractive force.** Otherwise, you can use **poles for shade sails,** which should be strong and correctly positioned.

Always provide a corner at a lower height than the others to **allow rainwater to drain off.**
It is advisable to tilt the flap by 25%.



Tension the fabric evenly by applying the same force to all corners.



Correct tensioning of the sail is essential to achieve an impeccable aesthetic result and optimum performance in terms of resistance to wind, rain or hail.

The advantages of a well stretched sail are:

- better wind resistance (it does not tear and does not strike the anchors)
- no water pockets are created (waterproof sails)
- lower risk of tearing
- greater longevity of the sail and anchors
- cleaner aesthetic result
- the fabric gets less dirty
- better water drainage

How to anchor your shade sail

According to your available space, you can **anchor your shade sail to the walls with the help of the special plates in our wall kits.**

Alternatively, you can use our **poles,** which are specially designed for **robust and professional fixing** of the shade sail.

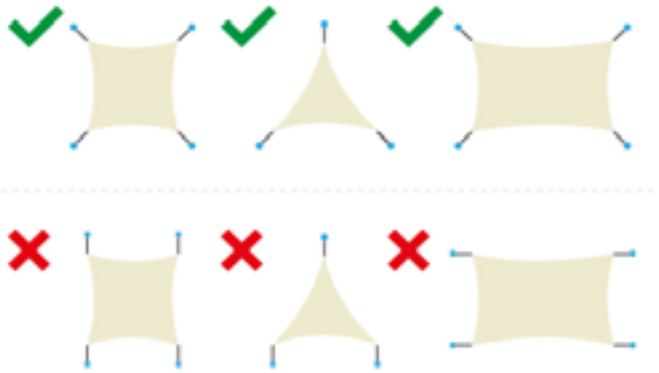
All MaantA wall kits contain a **very strong galvanised or stainless steel anchor plate.**

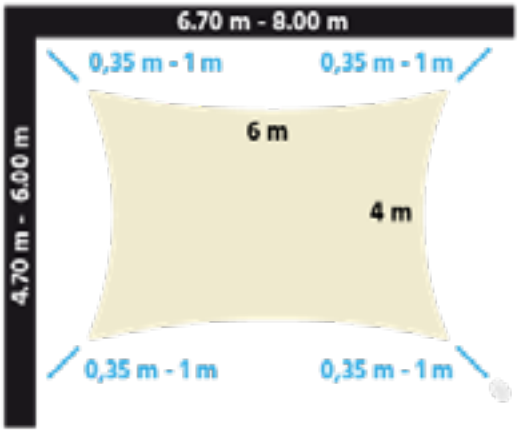
- Muscle x3 kit with nautical rope, force multiplier and quick release.
- SimplE wall kit with turnbuckle and carabiners.
- SimplE wall kit with nautical rope and carabiners.

Use the **robust and elegant Maanta poles** to professionally anchor your shade sail:

Alu-SimplE: very elegant aluminium pole with double lane for variable height anchoring of multiple sails.

Ulisse: galvanised steel pole, 6 anchoring points at variable height.
Very sturdy with an elliptical design.





Distances and positioning of the anchors from the corners of the sail

Understanding the distances between the anchor and the edge of the sail is very simple!!

We recommend laying the sail on the ground to find the correct point of the anchors, which will be found respecting the continuation of the diagonals (see figure below left)

This expedient will allow us to tension the fabric correctly and obtain an optimal aesthetic result.

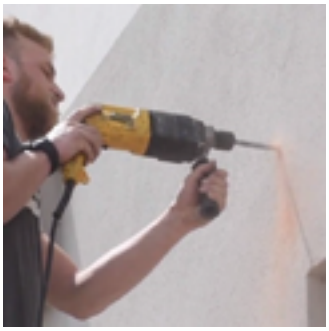
It is recommended to use plates proportionate to the size of the covers which will then be positioned, to avoid any safety inconvenience.

In addition to the size of our cover, it must be provided from a minimum of 35cm to a maximum of 100cm of distance between the flap ring and the anchor plate.
This will allow positioning of the tensioning accessories (carabiners - tensioners - ropes).

Assembly of the wall kit plates

The wall anchor consists of plates available in both galvanized and stainless steel, equipped with an eyelet that allows you to connect the sail corner.

Here are the 4 steps for installing the wall plate.



1 • Drill the wall
Identify the fixing points and drill the wall with a drill n.12.

2 • Chemical anchor
Remove the dust from the holes and apply the chemical anchor G2000 with the appropriate gun.

3 • Threaded rods M10x12
Insert the M10x12 threaded rods and leave to rest for at least 30min.

4 • Lay the plate
Lay the plate by fixing the blind nuts on the threaded bars.

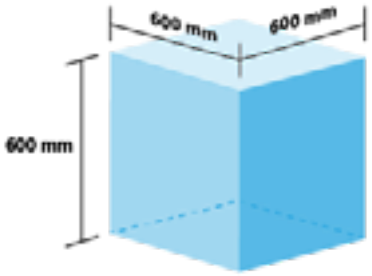
Assembling the poles for shade sails: Installation Instructions

Maanta poles are available in both **aluminium and steel:** both versions are **designed to withstand the tension of the shade sail.**

The positioning of a pole must be foreseen on a **plinth** or a **cemented surface** capable of resisting the tensile stresses produced by the sail.

If you need to build a dedicated plinth, we recommend following the following measures: **600mmx600mmx600mm (or higher).**

Below are the three main types of fixing: **on reinforced concrete, on concrete plinth and on perimeter walls.**



Reinforced concrete
Extended reinforced concrete surface at least 15cm thick.

Concrete plinth
Concrete plinth measuring at least 60x60x60cm.

Perimeter walls
Perimeter walls, robust and at least 45cm high.

Pole Assembly Instructions For Ground Base Versions

The installation of the base on the concrete plinth or on reinforced concrete consists of 8 stages.

Below is a step-by-step guide:

1 • Identify location
Locate the fixing points, orienting the pole towards the center of the sail.

2 • Drill the pit
Drill the concrete well with a 14 bit.

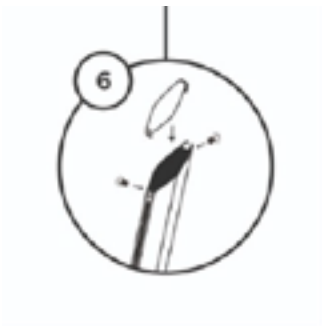
3 • Chemical anchor
Clean the holes and fill them with the chemical anchor.

4 • Threaded rods
Insert the M12x13 threaded rods and leave to rest for at least 30min.

5 • Screw base
Rest on the threaded bars and tighten the 4 blind nuts.

6 • Assembly of the pole
Insert the lower pole, screw the joint and then the upper part.

7 • Eyebolt and Muscle x3
Insert the eyebolt in the lanes, hook the tension Muscle x3 kit.



8 • Cap
Secure the cap by inserting 2 T-nuts into and tightening the 2 screws.

Assembly Instructions for the poles on perimeter walls

To install the pole on a wall, the base is not necessary, as we developed a special plate called **'wall collar'.**

The installation is similar to the previous one, only the fixing position differs.

1 • Drill the wall
Identify the fixing points, providing for min. 30cm distance between the two collars and drill.

2 • Chemical anchor
Clean the holes and fill them with the chemical anchor.

3 • Threaded rods
Insert the M12x13 threaded rods and leave to rest for at least 30min.

4 • Fastening
Fix the collars to the wall with the 4 nuts, insert the pole and fix it with the special T-nuts.

Removal and Storage

Shade sails can be used as required for **seasonal or year-round use.**

Removing the sails is quick and easy and can be done at any time.

By releasing the tension on a single flap and proceeding to unhook, the shade sail will then simply be unhooked from all anchors and it can then be stored in its packaging.

Maintenance

Shade sails can be cleaned with neutral detergents, left to act for a few minutes, and rinsed thoroughly.
To remove stains or marks, you can work on the area with very soft brushes so as not to damage the fabric.

We can finally enjoy a space sheltered from sun and weather, while maintaining style and originality.

In no time at all and with simple DIY skills, we have installed our shade sail!

Carports

Shade sails are ideal for covering car parks.
They provide shelter from hail and keep cars cool. In addition, unlike a system of parasols or a pergola, a sail awning system ensures uninterrupted freshness thanks to the variable inclination of the sail.

How do I create my kit?

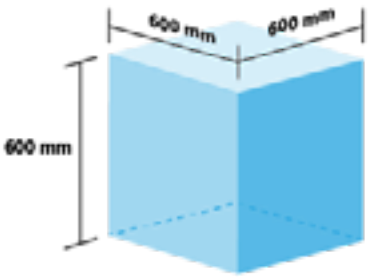
Here are the essentials you need to create a parking area for one or more cars in your outdoor space:

• **understand which points are likely to be the least disruptive in your area.** These will be the points where you need to set up poles with an earth base and provide a **concrete plinth with cubes at least 60cm high.**

• **determine how many parking spaces you want to protect from sun and hail.** This determines the number of poles, which will vary depending on the number and size of sails you decide to install. This choice is usually influenced by the size of the area to be covered, as well as your aesthetic taste. The **largest size** we make our sails in is **42 square metres,** so for areas larger than this size you will need to choose two or more sails.

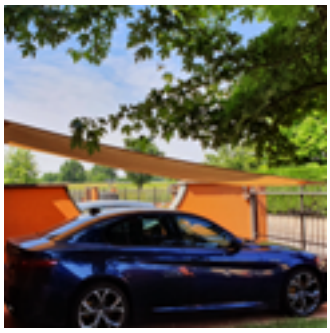
• once you have an idea of what the final design should look like, it is important to determine if **the sail should be made to size or if our range of standard sizes already offers something suitable for you.** The next step is certainly the choice of fabric.

Are there more or less suitable floors?



The positioning of a Maanta pole should be planned on a concrete surface of at least **15cm thickness.** If you have a coated and/or tiled surface, we recommend **anchoring to the concrete underneath,** if it is at least 15cm thick. The area around the pole can then be re-tiled.

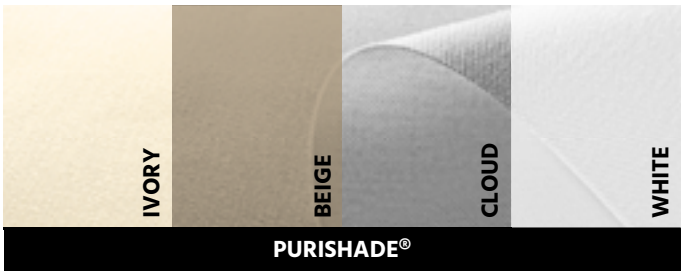
If you do not have a concrete surface of at least 15cm, we recommend that you install and place a **concrete plinth of at least 60x60x60cm per pole on the ground.**



Option SAVER - WALL-MOUNTED KIT
Ideal for parking right next to your house
2 wall-mounted kit
2 poles Ulisse
1 sail EasyShade HDPE standard sizes to be chosen from those available on the site

Option MULTIPARKING PRESTIGE - KIT "FREESTANDING"
Ideal for several cars and to ensure total waterproofness to the structure
more than 4 poles Alu-simple (multiples of 2)
2 or more sails "Made in italy" in fabric PURISHADE®

1 • What fabric should I choose?



Option SAVER
The **breathable HDPE fabric** is definitely the best because:

• It is completely **TEAR-PROOF** so in the event of hail, you will not have any problems. The waterproof fabric, on the other hand, could tear.

• In the event of strong wind (such as hail) its natural mesh **allows air to pass through.** Waterproof fabric, on the other hand, could create dangerous air pockets that will stress the fixings and could tear the fabric.

• In very hot weather HDPE fabric will **allow the hot air to flow upwards,** whereas waterproof fabric will tend to 'hood' the air.

Option MULTIPARKING PRESTIGE
We recommend our premium fabric **PURISHADE® by Maanta.**

• **It is the only fabric on the market that not only guarantees impermeability** even during many hours of rain, but also ensures **proper breathability and micro-circulation of air.** In this way, the carport can always remain well ventilated even on the hottest days. In addition, the breathability of the fabric reduces wind, making it very wind-resistant up to 62 km/h.

• PURISHADE® **protects the shaded area** from rain as well as from leaves, bird dirt and more.

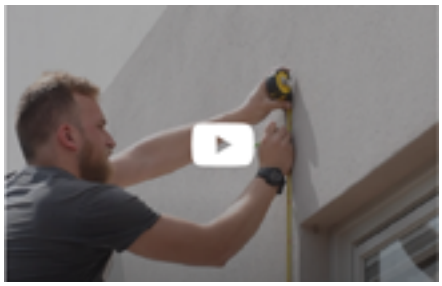
• Polypropylene, also known as Olefin, demonstrates **excellent mechanical properties** such as abrasion resistance.

2 • How do I measure correctly?

Option SAVER
• Go to “Shade Sails” > “Breathable shade sails”
• Select a size that will best cover your car and above all be sufficiently smaller than the space you have chosen for the anchor points. Each side should be at least 70 cm to one metre smaller than the distance between the poles and/or wall anchors.

Option MULTIPARKING PRESTIGE
• Choose two models of “Made in Italy” sails: Saill or Solaria. In the first model the seams are horizontal, while in the second model the seams are radial.
• PURISHADE® fabric.
• Standard or custom sizes to create the perfect sail for your car park.

Who will install the sail?



In all cases, **the customer is responsible for the installation.** However, the customer will not be left alone in this task.

We are always available to help remotely by telephone or e-mail.

In addition, we have published **guides in video format** that follow you step by step and explain how an ad hoc installation should take place.
Check out our Youtube channel.

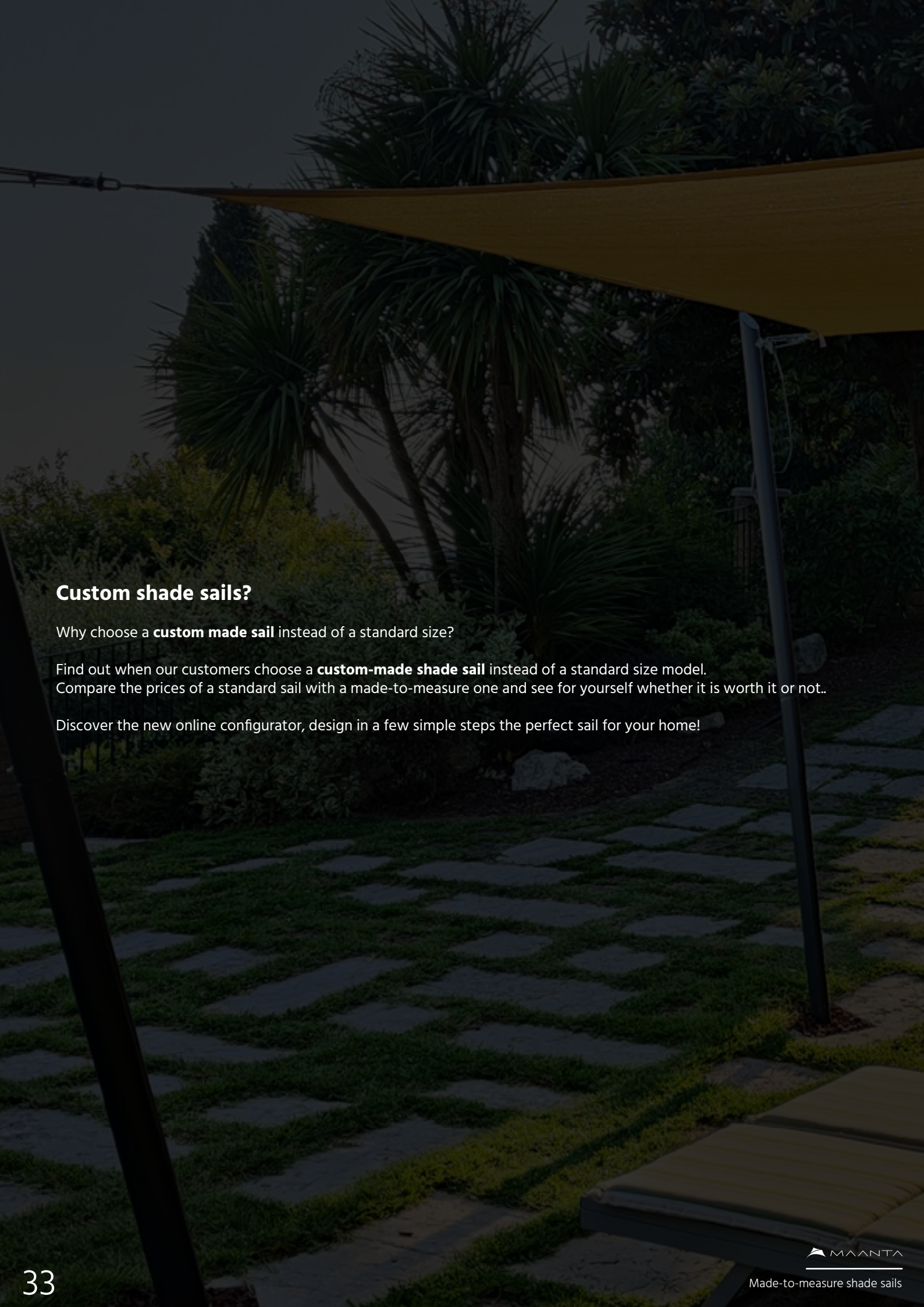
What advantages does a sail cover give me over other installations?

A carport cover with a sail system can be **less bulky** thanks to the possibility of anchoring one or more corners of the sail to existing structures.

In addition, by purchasing our **ALU SIMPLE** poles for shading sails, it will be easy to **vary the heights of all the corners** that are anchored to the poles. In this way we can easily calculate the path of the sun and keep the car **ALWAYS SHIELDED from sunlight.**

In addition, considering the heights of the cars that are usually parked underneath, our hail protection car cover will be **much more effective** because we can keep the **sheet much closer to the roof of the cars.** Our system really does manage to be something innovative in terms of functionality and style compared to traditional carports.

Finally, a further advantage is surely the fact that it is completely free-standing, so there is no obstacle to opening the car doors.



Custom shade sails?

Why choose a **custom made sail** instead of a standard size?

Find out when our customers choose a **custom-made shade sail** instead of a standard size model.
Compare the prices of a standard sail with a made-to-measure one and see for yourself whether it is worth it or not..

Discover the new online configurator, design in a few simple steps the perfect sail for your home!

Enter the world of Maanta shade sails!

Configure the exclusive **Maanta Saill and Solaria** sails from any device. The perfect match between **Italian manufacturing and digital innovation!**

Made from top quality technical fabrics, digitally cut, sealed seams, corners with multi-layer reinforcement, nautical quality stainless steel corner plates, practical adjustable perimeter straps, **Saill and Solaria represent excellence in the world of shade sails.**

Why choose a custom-made sail instead of a standard size?

Creating a custom-made sail is the best solution if you have a **specific space to cover,** or if you are looking to have **total and precise coverage** of the entire area!

Thanks to the online configurator you can design your dream sail in a few simple steps! By entering the actual measurements of each side of the sail or the measurements of the entire surface to be covered, the configurator will automatically calculate the measurements of your sail, giving you a free and immediate quote!

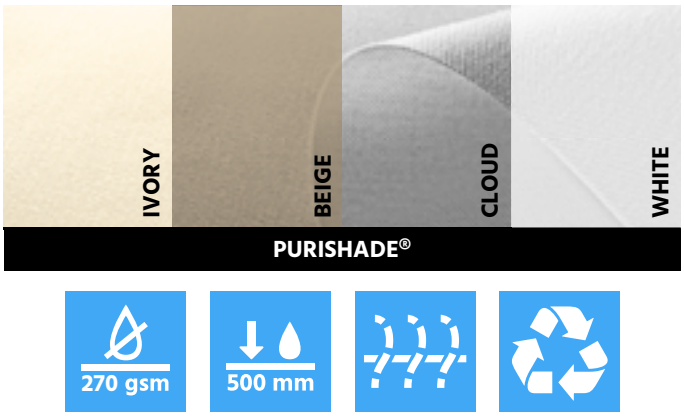
Choose from a variety of shapes, such as triangle, right-angled triangle, square, rectangle or trapezoid to get the sail that best suits your space and covers every inch of your outdoor area perfectly. It is also possible to create more special shapes to suit every need, such as pentagonal or hexagonal sails, only on request.

Whether it's a garden, a terrace, a balcony, a restaurant or public outdoor space, you'll be able to create the perfect area of shade you need.

Our sail lines

Solaria
This type of construction is usually used on racing boats to obtain better performance.
The many cuts and seams allow a better distribution of the force applied on the corners and will give us a better taut sail, which will fight more efficiently against the wind, drain the water better, last longer.

- made in Italy
- radial cut which allows greater distribution of tension
- structural stability
- durability
- better wind resistance
- digital and automatic stitching
- top quality components
- multi-layer reinforcement
- wind resistance up to 62km/h
- up to 42 square metres
- 4-year warranty



Saill
- made in Italy,
- cross-cut with bands
- digital and automatic stitching
- top quality components
- multi-layer reinforcement
- wind resistance up to 50km/h
- up to 36 square metres
- 3-year warranty

What advantages do Maanta shade sails have over normal sails on the market?

Our sails, entirely Made in Italy, are equipped with practical **adjustable straps** that make the sail tension much easier, smoother and more uniform.
In this way the sail will be **perfectly tensioned** in the perimeter, as well as in the centre and no water sacks will occur. Thanks to the 316 stainless steel angle plates in the corners it will be **easier** to install the sail and adjust the perimeter straps to obtain a uniform tensioning system.

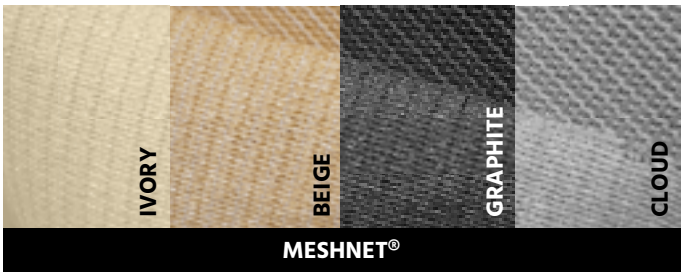
In addition, our sails are equipped with multi-layer reinforcement. This ensures greater resistance to tearing and stress.

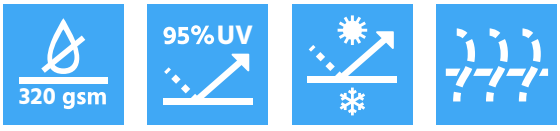
Made in Italy
All processes are managed within our headquarters equipped with digital systems and qualified personnel. **Each product is handcrafted but with advanced technologies. Quality control is strict.**

Multi-layer reinforcement
One of the most stressful points of sail awnings are certainly the corners: we **reinforce** them with different layers of fabric that reinforce and stiffen, helping a correct propagation of the force and embellishing the product.

Adjustable straps
The innovative tensioning system with perimeter reinforcement straps, individually adjustable, allows a **uniform distribution of tension** over the entire surface of the sail.

Innovative technological fabrics

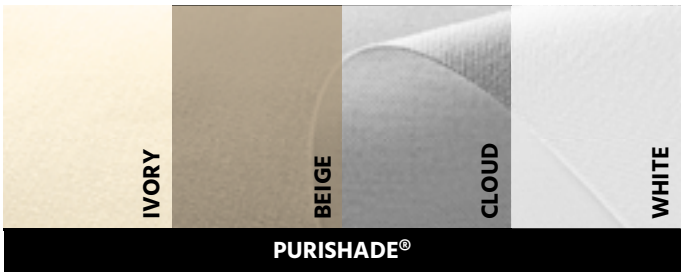


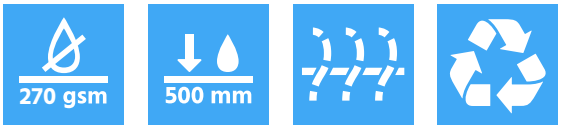


Breathable
MESHNET® 320g is used, which is extremely wind resistant and cool. The fabric used is an extremely robust woven virgin polyethylene, which optimally absorbs the stresses of wind and hail.

In addition, it is able to form a **heat shield** in such a way as to ensure **cool shading** under the entire covered area, **avoiding the heat hood effect.**

The dense 320g mesh also allows 40% of the water to flow out, with a sail well tensioned by 25%. It is an excellent anti-tear, anti-mold and more resistant over time and traction fabric. **It does not accumulate any pockets,** as it can happen with waterproof fabrics.





Waterproof
Purishade® 270g polypropylene is used, a fresh and anti-mold fabric with the **lowest environmental impact index (37) in the eco-compatibility ranking** drawn up by the HIGG association. Purishade® is the only waterproof but at the same time breathable fabric!

It combines **excellent mechanical properties** of resistance to tension, **with excellent breathability and impermeability.**

With Purishade® fabric we have a **resistance of up to 500 ml of water column,** always ensuring freshness and breathability! In this way it protects the shaded area both from rain, as well as from leaves and dirt.

In addition, **it protects from UV rays** with a value of UPF 50. To fully benefit from the qualities of the Purishade® fabric, it is essential to better tension the sail and **provide an inclination of at least 25%.** In this way, **greater resistance is obtained and the formation of annoying and dangerous central water pockets is avoided.**

Thank you!

MAANTA