

CARE AND MAINTENANCE

ALUMINUM:

Made from the alloy 6063, aluminum frames are electrostatically powder coated, and baked in an oven at a very high temperature, forming a solid surface with high UV resistant capacities. Various colors and textures are available and have slightly different specifications (see our color charts for details). Ultra-Durable colors offer higher protection in a chlorine or marine environment, and better UV and scratch resistance, which are the preferred choices for contract use.

- *To clean:* Wipe down with a soft brush, soapy cloth, then repeat without soap. In general, smooth surfaces are easier to clean than textured (sand) surfaces.
 - *Stains:* Stains can be removed by using Mr. Clean Magic Eraser sponge. In all cases, avoid acidic, alcohol or solvent based cleaners, and especially abrasive pads, sand paper or metal brushes. Aluminum frames are subject to abrasive wear that causes damage to the powder-coated surface, especially in sandy or rocky areas, moving or use, or upon contact with hard, sharp or abrasive objects.
 - *Peeling:* Peeling or bubbling may occur after some time, especially in salty or chlorine environments, without damaging the structural integrity of the frame.
 - *Frost:* Frost damage may occur, in case there's a buildup of water inside the frame, it is important to allow circulation and not to close any holes at the bottom of the legs or the frame.
 - *Touch Up:* Touch up paint is available to repair scratches or peeling
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WICKER:

Synthetic Wicker - Made in Indonesia by Rehau -

Weather resistant HDPE wicker, is an excellent choice for outdoor furniture. Colorfast, UV resistant, low maintenance, recyclable and with high tensile strength capacities.

- *Application:* Outdoor weaving material.
 - *To clean:* use a soft brush, a cloth and mild detergent
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TEXTILES:

MAMAGREEN offers textiles from the industry leaders in outdoor textile technology, selected for their specific capacities and for specific functions.

Textaline Mesh - Made in the USA by Twitchell Corp -

This durable, versatile textile is made of PVC coated polyester, with high tear strength and tensile capacities, making it suitable for various outdoor mesh applications. Not affecting the quality of the

Textile, striped yarn colors may weather slightly over extended periods of time.

- *Application:* Upholstered frames and sling furniture
- *To Clean:* Use a water / liquid soap mix and a soft scrubber, tough stains can be cleaned with a brush and diluted bleach (one-cup household bleach in three gallons of water). Avoid abrasive cleaners. Always rinse and air-dry after cleaning.

Batyline Sling - Made in France by Serge Ferrari -

Premium grade mesh textile, with an extreme tear and tensile strength. Furniture using Batyline Sling will give seating pleasure for many years, in any environment.

- *Application:* Durable outdoor mesh
- *Tip:* replacing a sling should only be done by an experienced qualified person
- *To Clean:* www.youtube.com/watch?v=jcfXO5QI9Jo&feature=youtu.be

Batyline Lounge - Made in France by Serge Ferrari -

Batyline Lounge is a very closely woven all-weather mesh with excellent UV resistance, extreme tear strength and flame-retardant specifications.

- *Application:* Outdoor upholstery
- *Tip:* white upholstered furniture requires regular cleaning
- *To Clean:* www.youtube.com/watch?v=jcfXO5QI9Jo&feature=youtu.be

Batyline Keops Straps - Made in France by Serge Ferrari -

Batyline Keops is a range of straps containing hemp fibers for a natural, matt finish. Very high tensile strength, extreme light stability and mold resistance.

- *Application:* outdoor upholstery
- *To Clean:* www.youtube.com/watch?v=jcfXO5QI9Jo&feature=youtu.be

Leisuretex upholstery - Made in the USA by Twitchell Corp -

Ideal for heavy duty upholstered chair and lounge frames, these textiles are made of stiff PVC coated polyester mixed with polyolefin, and a water repellent back-layer. Tear strength and tensile capacities are very high, making it suitable for upholstery in any outdoor environment. Furniture made from Leisuretex will last many years, though a minimal deterioration of the olefin fibers may occur over time.

- *Application:* Upholstered frames and webbing for back supports
- *Tip:* tilt chairs against tables to avoid a puddle and a wet seat
- *To Clean:* use a water / liquid soap mix and a soft scrubber, tough stains can be cleaned with a brush and diluted bleach (one-cup household bleach in three gallons of water, use a brush, do not soak). Avoid abrasive cleaners. Always rinse and air-dry after cleaning.

Stamskin Upholstery - Made in France by Serge Ferrari -

This watertight faux-leather fabric offers excellent resistance over time. Versatile and durable, this soft feeling marine grade artificial leather offers high UV protection and anti-soil, fungal and microbial treatment.

- *Application:* leather look upholstery
- *Tip:* white upholstered furniture requires very regular cleaning

- *To Clean:* <https://www.youtube.com/watch?v=WEge8fyYRgQ&feature=youtu.be>
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CUSHIONS, PADS & PILLOWS, ROPE:

Sunbrella Cushions - Made in the USA by Glen Raven -

100% solution dyed acrylic with a soft flexible feel, 260 gr/m², UV resistant, anti-stain treatment and water repellent. Sunbrella sailcloth textiles and some of the special ranges have an indoor feel, being heavier (400/580 gr/m²), are very sturdy but will require a longer drying time. Cushions with a Sunbrella cover will dry fast and remain in color and shape, also when used intensively. The core is made of a specially-for-outdoor-use developed memory foam, with a fast-drying open cell structure.

- *Application:* Performance outdoor fabric for cushions, all lounge collections except Aiko
- *Tip:* Enjoy your lounge furniture instantly after a rain-shower using protective covers, but remember to never cover wet cushions with a rain cover, especially for an extended period of time
- *To clean:* www.sunbrella.com/en-us/how-to-clean

Sunbrella Cushion - Aiko Collection - Made in the USA by Glen Raven -

100% solution dyed acrylic with a soft, flexible feel, 260 gr/m², UV resistant, anti-stain treatment and water repellent. Sunbrella sailcloth textiles and some of the special ranges have an indoor feel, being heavier (400/580 gr/m²), are very sturdy but will require a longer drying time. For the Aiko collection, we offer a memory outdoor foam core covered in a water-resistant barrier, therefore some water can remain trapped between the cover and the inner liner. Drying and airing separately, extends the longevity of the cushions. Storing the cushions vertically with the mesh at the bottom side, will improve air circulation. The purpose of the ventilation holes at the side of the cushions, is to avoid trapping air or “ballooning”.

- *Application:* Performance outdoor fabric for cushions
- *Tip:* enjoy your lounge furniture instantly after a rain-shower using protective covers, but remember to never cover wet cushions with a rain cover, especially for an extended period of time
- *To Clean:* www.sunbrella.com/en-us/how-to-clean

Agora Cushions - Made in Spain by Tuvatextil S.L -

Agora is a rigid, semi-sti solution dyed acrylic, especially developed for outdoor lounge cushions. This fabric comes with a unique waterproof laminated back layer and has excellent anti-stain, oil repellent and mildew resistant capacities. The core is made of a specially-for-outdoor-use developed memory foam, with a fast drying open cell structure. The purpose of the ventilation holes at the side of the cushions, is to avoid trapping air or “ballooning”. Extend the longevity of lounge furniture using protective covers, and air-dry cushion cover and cushion core separately, at least 2 times per year (or more often in case of frequent use).

- *Application:* Waterproof cushions
- *Tip:* place cushions vertically when not in use, or in case of a shower, to avoid puddles on the seat. If you want to take care of your furniture and upholstery, we recommend using a

protective cover, but remember to never cover it when it's wet or dirty, especially for an extended period of time

- *To Clean:*

www.tuvatextil.com/workspace/uploads/pdf/cleaning-guide-agora-es-1560356709.pdf

Olefin Pads & Pillows - Made in Indonesia by Sunproof (Ateja Group) -

100% solution dyed olefin offers great weatherability, anti-mildew and tear strength. Sunproof olefin textile for pads and pillows, is highly UV resistant and water repellent.

- *Application:* Decorative throw pillows, seat and backrest pads
- *Tip:* Store pillows and pads in an airy place when not in use
- *To Clean:* www.sunproof.co.id/how-to/care-instructions

Rope & Braid (Olefin) - Made in Indonesia by Ateja -

Made of olefin textile, furniture made with olefin rope or braiding, can remain outside in any climate. This material is highly colorfast, and mildew resistant with great tensile strength.

- *Application:* Outdoor rope, braiding
 - *To Clean:* Use a soft brush, a cloth and mild detergent
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HPL (HIGH PRESSURE LAMINATE):

HPL table tops and panels - Made in Italy -

HPL table tops are specially developed for outdoor furniture. Using highly-evolved technology, the production process involves pressing thermosetting resins and kraft paper into solid, compact, self-supporting panels.

Characteristics of HPL include its high impact, scratch, wear and tear resistance, hygienic capacities and its low maintenance requirements. HPL is subject to UV exposure and temperature changes, minor discoloration, expansion or bending may occur. Leaving an extension table in an open position, with the extension part in place and fixed, will reduce changes. Custom-fit protective covers are available to stop discoloration and extend the good looks of your furniture.

Do not leave extremely hot objects, such as pots or pans directly on HPL table tops.

Texture and color selection influences the amount of care and cleaning required

stains or scratches on solid white surfaces are much more visible than on stone motifs

- *To Clean:*
 - **Spilled liquids:** Clean immediately if possible
 - **Most food rests, stains and organic waste:** Domestic detergent and water
 - **Candle wax:** Soften with a clothes iron and a towel
 - **Most stubborn stains:** Use a Mr. Clean Magic Eraser
 - **Nail polish, linseed oil, markers, etc.:** Remove with acetone and a cotton cloth
 - **Synthetic oil paints, adhesive residues etc.:** Remove with 3M thinner ***Note that certain stains and rests are very hard or impossible to remove: Silicone residues,*

*cranberry juice, lime scale, some bleaches, etc. Using scrapers or sharp objects may damage the texture of the table top.***

STEELS:

304 Stainless Steel - Stainless steel 304 frames are sturdy and suitable for most non-marine environments. Susceptible of 'tea staining' (a build-up of particles on the surface of the metal which oxidize or corrode), 304 stainless steel is not recommended for use near salt water swimming pools or within close proximity to the sea. The hairline - brushed satin polish, limits visibility of stains and dirt. Regular cleaning will extend the longevity of the frame and the look of the furniture

- *To clean:* Clean with a soft brush and a cloth with '3M Stainless Cleaner & Polish' or another household stainless steel cleaner, (avoid acidic, alcohol or solvent based cleaners, and abrasive pads or brushes).
- *Watermarks:* To avoid watermarks, wipe away all water thoroughly before leaving in the shade to dry.
- *Polishing:* We recommend polishing, with '3M Stainless Steel Cleaner & Polish' or another household stainless steel polish every 6 months, or if any discoloration occurs. This will help prevent and/or remove most 'tea staining'.
- *Frost:* Frost damage may occur, in case there's a buildup of water inside the frame, important to allow circulation and not to close any holes at the bottom of the legs or the frame.
Note that 'tea staining' does not harm the integrity of the metal, can be cleaned and is considered normal wear and tear

316 Stainless Steel - Stainless steel 316 frames, have a mirror polish shiny look and have excellent corrosion resistance, suitable for most marine environments making this the preferred choice for cruise ships and sea front properties. Regular cleaning will extend the longevity of the frame and the look of the furniture

- *To clean:* Clean with a soft brush and a cloth with '3M Stainless Cleaner & Polish' or another household stainless steel cleaner, avoid acidic, alcohol or solvent based cleaners, and abrasive pads or brushes.
- *Watermarks:* To avoid watermarks, wipe away all water thoroughly before leaving in the shade to dry.
- *Polishing:* We recommend polishing, with '3M Stainless Steel Cleaner & Polish' or another household stainless steel polish every 6 months, or if any discoloration occurs. This will help prevent and/or remove most 'tea staining'.
- *Frost:* Frost damage may occur, in case there's a buildup of water inside the frame, important to allow circulation and not to close any holes at the bottom of the legs or the frame.
Note that 'tea staining' does not harm the integrity of the metal, can be cleaned and is considered normal wear and tear

Powder Coated 304 Stainless Steel - Powder coated stainless steel 304 frames are sturdy and suitable for most environments. Electrostatically powder coated, on top of a protecting primer and

baked in an oven at a very high temperature, frames have a solid surface with high UV resistance and all weather capacities. Ultra-Durable colors offer higher protection in a chlorine or marine environment, and better UV and scratch resistance, which are the preferred choices for contract use.

- *To clean:* To clean wipe down with a soft brush, soapy cloth, then repeat without soap. In general, smooth surfaces are easier to clean than textured (sand) surfaces.
- *Stains:* Stains can be removed by using Mr. Clean Magic Eraser sponge. In all cases, avoid acidic, alcohol or solvent based cleaners, and especially abrasive pads, sand paper or metal brushes. Powder coated frames are subject to abrasive wear that causes damage to the surface, especially in sandy or rocky areas, moving or use, or upon contact with hard, sharp or abrasive objects.
- *Peeling:* Peeling or bubbling may occur after some time, especially in salty or chlorine environments, without damaging the structural integrity of the frame.
- *Frost:* Frost damage may occur, in case there's a buildup of water inside the frame, important to allow circulation and not to close any holes at the bottom of the legs or the frame.
- *Touch Up:* Touch up paint is available to repair scratches or peeling.

Galvanized Steel - MAMAGREEN uses industrial-strength galvanized steel, hot dipped in anti-corrosion zinc. Galvanized steel is rust resistant and popular for its authentic, vintage industrial patina, but not advised near a chlorine pool or at a seafront property. Due to its sturdy construction and weight, it is recommended for windy areas such as roof tops.

Galvanization bonds anti-corrosion metal to the steel base. Avoiding damage to this coating, especially deep scratches, will preserve the integrity of the furniture. We recommend not scrubbing with harsh cleaning products or abrasive cleaning aids, as they risk scratching the galvanized coating.

Galvanized steel weathers, and follows steps of discoloration, from a bright matte gray to a vintage industrial look.

- *Scratches:* 3M zinc spray or another zinc spray can be used to repair scratches or to protect the frame when the surface starts to show damage, discoloration or weathering.

Use zinc sprays with extra care, and follow the precautions and instructions

Powder Coated Galvanized Steel - Powder coated galvanized steel is sturdy and heavy, with a specific industrial look, suitable for most outdoor environments, including rooftops, but use is not advised near a chlorine pool or at a seafront property.

Electrostatically powder coated baked, in an oven at a very high temperature, frames have a solid surface with high UV resistance and all-weather capacities.

- *To clean:* wipe down with a soft brush, soapy cloth, then repeat without soap. In general, smooth surfaces are easier to clean than textured (sand) surfaces.
- *Stains:* Stains can be removed by using Mr. Clean Magic Eraser sponge. In all cases, **avoid** acidic, alcohol or solvent based cleaners, and especially abrasive pads, sand paper or metal brushes. Powder coated frames are subject to abrasive wear that causes damage to the

surface, especially in sandy or rocky areas, moving or use, or upon contact with hard, sharp or abrasive objects.

- *Peeling*: Peeling or bubbling may occur after some time, especially in salty or chlorine environments, without damaging the structural integrity of the frame.
 - *Touch Up*: Touch up paint is available to repair scratches or peeling.
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TEAK (TECTONA GRANDIS):

Tectona Grandis, commonly known as “Teak” is a tropical hardwood tree, native to Southeast Asia. The high tensile strength, the rich oil content and the close grains make mature teak highly pest, rot and termite resistant as well as very stable in exposed environments; the ideal wood for outdoor furniture.

Mamagreen manufactures its teak furniture A-Z in-house, strictly controlling each step. Carefully selecting every piece of wood, and allocating it towards a specific function, based on strength and look. Components are shaped using precise machinery and each piece is kiln dried to achieve the perfect moisture content before processing and gluing.

Skilled craftspeople wire-brush or polish as part of the final process.

Wear & Tear & Care of Teak- After unpacking teak furniture, it is advised to rinse, swipe with a wet cloth or let it sit in rain, before first time use, to avoid stains on clothing from microscopic wood dust. Exposed to sunlight and left to age naturally, teak gradually patinas to a beautiful soft, silver-gray, and will remain stable for many years.

Depending on the environment and use, teak furniture may be subject to texture or color differences, stains, black spots, superficial mold or mildew, minor warping or cupping or cracks and hairline cracks that do not impact the integrity of the product. Covering without sufficient air circulation, covering humid or dirty surfaces, may cause organic waste to rot.

When furniture is used under trees, **note** that leaves and bird droppings may start to rot and cause mold. It is recommended not to leave anything on top of the table for extended periods of time, as it may mark, especially items with moisture like a pot plant. Marks from acid rain may occur and form gray spots.

Wood sap may occur in rare cases; note that wood is and remains a living material, sealing with wood oil or a teak sealer will normally help; in stubborn cases a replacement part may be required.

Recycled Teak - Sourcing teak wood from abandoned buildings, and upcycling into a sophisticated furniture design is an environmentally-friendly alternative to harvesting timber from forests or plantations. Selecting furniture using recycled teak is not for customers who want a clean, solid, uniform look. The unique character of recycled teak is proof of its colorful history. Beautiful imperfections are part of its charm, without compromising the overall performance of the furniture. Dents, scratches, nail rests, bolt marks, color and texture differences, hair cracks and other imperfections make every piece of recycled teak, a truly unique piece.

****Note that the weathering of recycled teak, as well as wear and tear will further accentuate the unique character. Cracks may appear, color differences may occur, small parts of wood may become brittle and come loose, old metal parts may cause rust marks; all adding charm to the chic distressed silver-gray look of exposed recycled teak.****

Most collections using recycled teak come with a wire-brushed textured surface, creating a rustic look. Note that this brushed texture may hide certain imperfections, but also form a trap for food-rests and other organic materials that may cause mildew or mold. Regular cleaning with a brush is advised.

A number of collections (including Zudu and Zupy) come with a smooth sanded surface, accentuating color differences and texture imperfections. Regular swiping with a soft brush and soapy water is advised.

Coming from old constructions, recycled teak could contain small metal rests from nails or bolts that may cause black or red marks. We deliver our furniture sanded, polished and sealed, and advise to allow the furniture to weather naturally. The great thing about teak is that you do not need to apply any finishing to keep the performance of the furniture.

- *To Clean:* To maintain the good look, clean the furniture regularly, brush with a stiff brush, domestic liquid soap and lukewarm water, rinsing thoroughly.
- *Stains:* Most stains can be removed by slightly sanding the furniture.
- *Products:* There are various reliable products on the market, aiming to preserve the original look, coating, staining the wood or slowing the graying process. Check with your dealer, and follow instructions carefully.

Driftlook Teak - Mamagreen has introduced a new teak finish for the AIKO collection. We call it 'drift-look teak', implementing a new approach to reclaiming teak. Rather than simply recycling, natural and historic value is acknowledged; the full potential realized via an upcycling process that highlights the teak's distress marks. Every piece of 'drift-look' design furniture is therefore completely individual, with marks that tell their own story; just like driftwood found washed up on the beach, and perfect for outdoor living. Drift-look teak is delivered finished, either as 'original' or in rich 'espresso', and sealed with a teak shield. To preserve the finish, **avoid** contact with any solvents or chemicals, and follow care and maintenance instructions as below.

- *To Clean:* Drift-look teak is best washed down regularly by spraying with plain water, and wiping with a microfiber (or any lint-free) cloth. Then simply leave to dry naturally.
- *Spills:* Follow the same procedure immediately for any spills, to avoid spotting.

The 'original' or 'espresso' finish will invariably fade over time. If you would like to maintain the original finish, re-stain periodically, twice a year or as required.

- *Re-Stain:* We recommend 'Golden Care' products as follows, or equivalent:
 - **Drift-look teak (original finish)** - Re-stain with 'Golden Care Instant Gray.
 - **Dri-look teak (espresso finish)** - Re-stain with 'Golden Care Wenge' Then add a top coat of 'Golden Care Teak Shield' teak seal or equivalent.

It is best to store furniture indoors or under cover if not in use for long periods of time, or during harsh winters. Minimizing exposure to the elements will slow down the changes in the wood color, and prolong the need to re-stain and seal.

- **Do not re-stain without re-sealing.** *The stain may not be immediately colorfast, plus the seal will protect the finish and extend its lifetime.*
- **Do not** use abrasive chemicals, cleaning agents, stains or varnishes other than provided or recommended.
- **Do not** use hard brushes for washing.
- **Do not** use steel wool for preparing wood for refinishing.

****Only use a soft 'Scotch-Brite' type of pad, or a soft nylon brush****

Plantation Teak - For furniture lovers who want an alternative to the unique character of recycled teak, but still prefer the warmth, without the texture and look of an upcycled material, we offer a number of collections using plantation teak.

Mamagreen uses no forest origin teak, but only teak sourced from sustainable teak plantations, that abides by a strictly controlled environment and certified criteria that include replanting trees after harvest. We select individual full-grown trees, and manage the entire production process carefully, from log to finished product.

Laminated Recycled Teak - Upcycling any remaining pieces of wood from production processes is a very important part of MAMAGREEN's commitment to sustainability. Small pieces of high grade, custom-shaped teak are matched according to grain, then finger-jointed meticulously. The new table top surface is sealed by applying lamination with a strong and steady pressure. The result is a perfectly finished, designed teak table top that is interesting, distinctive, and highly robust.

Laminated recycled teak is **used in various collections: Meika, Daisy, Bono** The Industrial line uses laminated teak parts, which come extra distressed, accentuating intentional and unintentional imperfections.

COVERS:

Correct use of protective covers greatly extends the good condition and original look of your outdoor furniture. Protecting against marks from leaves, pets or birds, removing the covers means you can enjoy the furniture instantly after a rain-shower. Cleaning furniture after a holiday or after winter becomes easier and faster. MAMAGREEN protective covers are made from Surlast®, a 100% solution dyed polyester, with a urethane coating, made in the USA. Proper care and cleaning is important for all the fabrics, Surlast® material that is designed for easy maintenance is not an exception.

- *To Clean:*
 - Mix a mild soap or dishwashing liquid with lukewarm water.
 - Clean the fabric with a soft bristle brush.
 - Then, rinse thoroughly with cold water and air dry. **Avoid** using a harsh detergent.

- For stubborn stains:
 - Apply a mixture of diluted bleach and water.
 - Add a maximum of 1 cup of bleach to 1 gallon of water.
 - Lightly spray the fabric face (non-coated side) then rinse immediately, **not to leave the fabric for more than 2 minutes. Air-dry only.**

Do not soak the fabric. Prolonged exposure to harsh chemicals can damage the coating.

****Note: Using harsh cleaners such as bleach will require a retreatment like 303 Fabric Guard to restore water repellency****

Some important points to consider -

- Check the label to ensure the correct cover
- Avoid covering wet furniture, dry in an airy environment before covering
- Never cover partially wet or humid furniture for long periods of time (never longer than 24 hours). Note that the core of outdoor cushions may be wet, while the cover is dry!
- Furniture must be in a very clean state and completely dry before covering for an extended period of time.
- Make sure that food rests, sauce stains or other organic materials are removed from table tops, before covering.
- Always fix the covers correctly to keep the wind from blowing the covers away, use extra weights if considered necessary.
- When covering the furniture make sure that the non-coated face of the fabric is exposed to the sun.
- In case cushions feel moldy or smelly after being covered for some time, remove cushion covers, air and clean cover and core separately.
- When wood remains covered in a humid environment for more than 24 hours, slightly sanding, or brushing with a hard brush, will remove most mold or mildew caused by organic material.
- Ensure proper air circulation under the cover, avoiding condensation, which may cause mildew or mold. Use spacers (a foam brick might work) to lift the cover from surfaces if considered necessary
- Storing wet or dirty protective covers may cause damage to the cover, mildew or a bad smell; always dry in an airy environment
- In case covers are damaged, replacement covers are made to order.

