

BUGATTI  
DESIGN



Homegrown luxury  
and comfort



# INFORMATION & CARE GUIDE

## ADVANCED POLYURETHANE STRENGTHENING TECHNOLOGY

- Durable polyurethane, alternative to leather and PVC (vinyl)
- Exceeds heavy-duty industry abrasion standards by more than 13 times, surpassing 400,000 double rubs on the Wyzenbeek
- Scratch, nick and blemish resistant
- Engineered for a unique combination of characteristics including strength, texture, softness and colorfastness

## CLIMATE CONTROL TECHNOLOGY

- Clinically proven to be more resistant to temperature changes than vinyl and genuine leather
- Stays cooler than genuine leather in warm weather conditions
- Resists cold weather stiffening and cracking

## ENVIRONMENTALLY CONSCIOUS TECHNOLOGY

- 100% biodegradable backcloth
- Void of plasticizers, heavy metals, formaldehyde and pyroxylin
- Void of persistent organic pollutants (POPs)
- Captures and recycles 99% of production solvents
- Potentially toxic aftercare not required
- Meets the 2005 standards established by international organizations such as Greenguard™ and Oeko-Tex
- Passes California Protocol 01350 for Volatile Organic Compound Emissions

## STAIN RESISTANCE TECHNOLOGY

- Cleans effortlessly with soap & water
- Lift most stains with alcohol-based solutions like Fantastik® and Formula 409®
- Disinfect with 5:1 water/bleach solution

## STAIN

## MILD DETERGENT

Ketchup, Mayonnaise, Mustard	✓
Butter, Salad Oil	✓
Red Wine, Liquor	✓
Coffee, Tea, Coca-Cola®	✓
Make-up, Face Cream, Lipstick	✓
Machine Oil	✓
Urine, Blood	✓
Steak Sauce, Soy Sauce	✓
Chocolate	✓
Milk	✓

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## **A STUDY ON POLYURETHANE FOAM IN FURNITURE PROPERTIES OF FOAM VS TIME.**

A few years ago a meeting of the Technical Committee of flexible foam polyurethane division of the plastic society was held to talk about what the consumers can expect in the performance of foam with time.

There was twenty participants representing major raw materials producers and five foamers from the PFA (Polyurethane foamers association).

The Committee analyzed four categories of foams. In conventional foams, they chose 1.0 lb/pi<sup>3</sup>, 1.5 lbs/pi<sup>3</sup> and 2.0 lbs/pi<sup>3</sup>. They also made the test on HR foam 2.5 lb/pi<sup>3</sup>.

Cushions were placed in public installations where they were in routine daily use. Some "witness cushions" were taken out and examined after 30,60,90,120 and 180 days of use.

Graphs show that independently from category most of the lost measured, like height loss and ILD loss (indexed force deflection) accures in the first 30 days of use. Like expected the highest density foams performed better than the low density foams. A 2.0 lb/pi<sup>3</sup> foam lost approximately 23% of its initial IFD after a 30 day use. The loss went up to 28% at 90 days of use and stayed constant at that level for the rest of the test.

## **COMMENTS ON IFD PROPERTIES OF POLYURETHANE FOAM.**

A typical category of polyurethane foam will have a range of + or - 5 lbs in IFD.

Manufacturing conditions like temperature, relative humidity and pressure have a significant impact on the curing of the foam. This curing process affects the final IFD's of the run. The run on a hot humid day will cure totally differently from a run made on a cold dry day. Chemists will try to reduce the effect to the minimum but there always going to have variations on IFD.

In any block of foam in a production run there will have variations in IFD. Since curing is affected by certain conditions (mostly temperature and humidity) and since foam have in itself an isolating nature close to its edges (top and bottom) of a block the center will cure differently then the top or bottom.

This is why it exists in those curing conditions, variations of 5 lbs between softer cushions and harder cushions cut in the same foam category.

## MC 160 AKKU-PACK USER MANUAL.

### END USER: Please read the following Safety Instructions prior to first use of the MC 160 AKKU Pack.

The MC 160 AKKU-Pack is a power supply, designed for "off-power-grid" use in Motion Furniture. The use of this device with other than LIMOSS authorized devices, is NOT recommended, and may void the product warranty.

- Do not immerse the ACCU-pack in water or other liquids at any time. For normal cleaning, wipe with a damp cloth. Do not store or operate the device in extreme high levels of moisture and humidity.
- As this is an electrical device, do not store or operate the device in an environment that is subject to explosion hazards or open fire.
- Do not open or tamper with the device. There are NO user serviceable parts in these units. Opening the device will immediately **Void the warranty**.
- Ensure correct polarity is used when connecting motors etc. This is normally governed by the factory installed plugs and connectors. Do NOT short circuit.
- Recharging of the device, should be done within the norm temperatures of 0°C to 40°C ( 32°F – 104°F)
- **PRIOR TO INITIAL USE, FULLY CHARGE THE AKKU-PACK FOR 8 HOURS**
- **Recharge the batteries, when the Audible Alarm indicates low charge.**
- **Plug Battery into Power Charger, Red light is on during charge cycle.**
- **Green light indicates, that the Akku Pack is fully charged (min 5 Hrs)**



- **Important: Do not leave the charger connected to the battery indefinitely. The battery charger must be disconnected after the battery is fully charged or the battery will become overloaded and fail.**

Lithium-Ion Batteries do have a limited life.

If the Akku Pack does not fully recharge within 12 to 15 hours, it is time to replace the Akku – Pack. An Akku - Pack should be re-charged after approx 150 Cycles or at least once a month. Akku – Packs are rated for a minimum of 150 full recharge cycles.

The Akku – Pack can still be operated in furniture, during the re-charge cycle.

**MAINTENANCE:** At regular intervals wipe the Akku-Pack to clean off dust and debris. Check that all wires are in a good condition e.g. no knicks and cuts

There are NO user serviceable parts inside the Akku-Pack, and any attempt to open the Akku-Pack will void the warranty and be potentially hazardous to the unskilled operator.

#### Technical Info:

Acoustic (audible) buzzer sounds when charge is low. Immediately re-charge

**DO NOT** allow "Complete Drain and Discharge" of Akku-Pack. It may be impossible to re-charge if the Akku-Pack is totally dis-charged

**RED Light:** Indicates a connection to charger and that charge is in progress.

**GREEN Light:** shows full Akku-Pack. Green light goes out when the charger goes into Standby-mode or is disconnected.

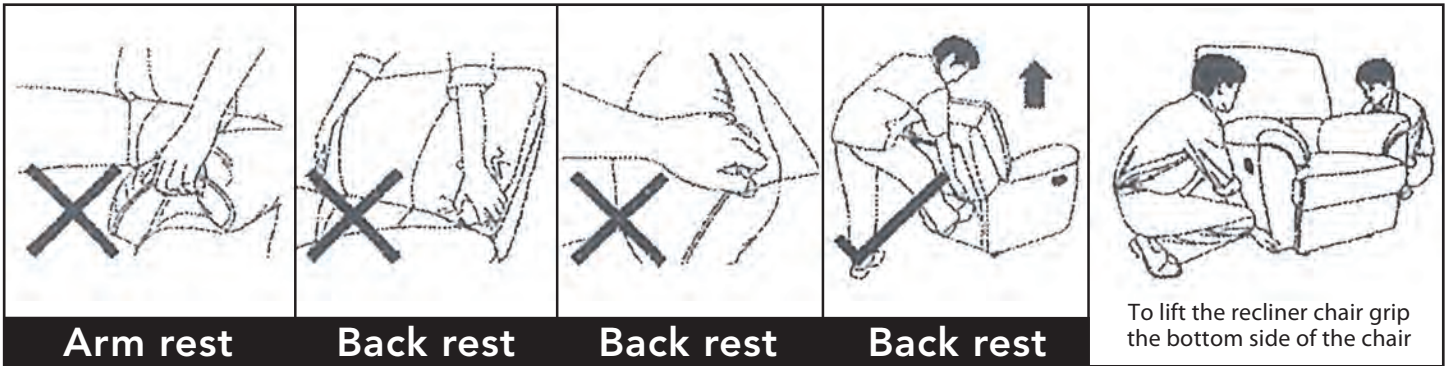
If the Akku-Pack is replaced by a new unit, please ensure proper disposal in an authorized manner. DO NOT throw a discarded Akku-Pack into ordinary household waste.

Many communities provide collection points for discarded batteries and other electronic items. If possible, discard your used Akku-Pack in such a manner.

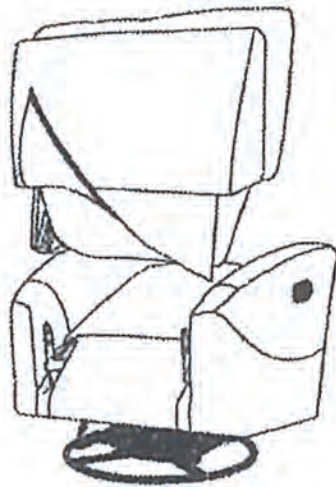
**Thank you for choosing and using the LIMOSS AKKU-PACK with your fine furniture. We stand behind our product.**

For additional info, contact: LIMOSS US, LLC 662 365 2200 or [info@limoss-us.com](mailto:info@limoss-us.com)





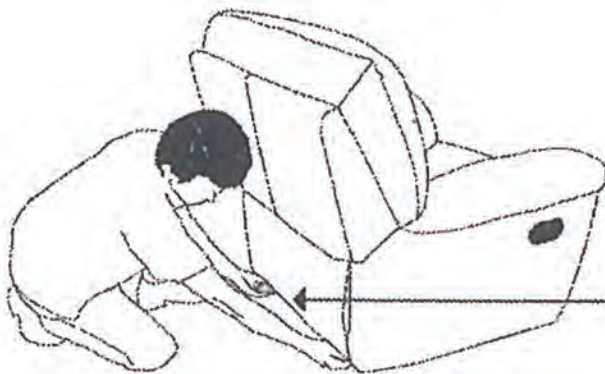
## INSTALLATION



Apply firm weight equally on both sides to ensure proper insertion of bracket

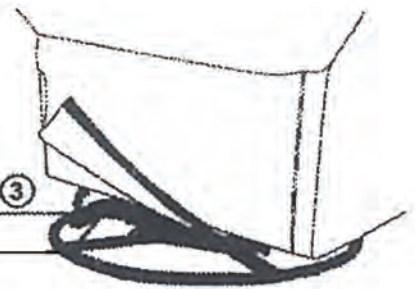


Pull back flap downwards. When taut fold velcro ends under frame

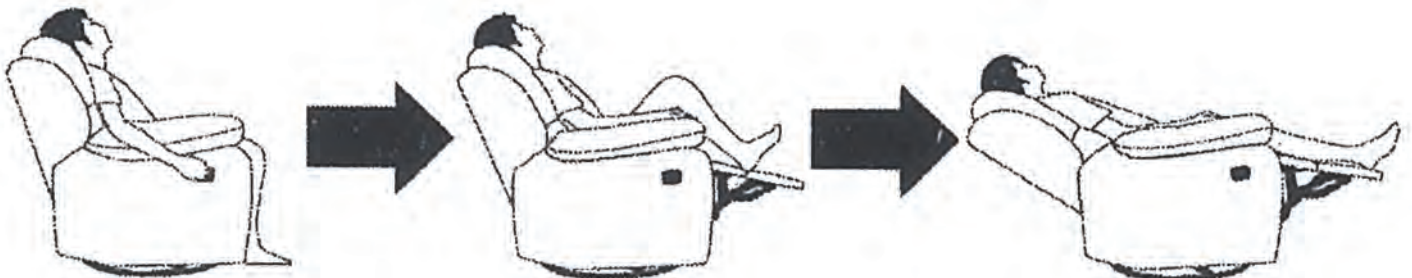


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Velcrotape



## OPERATING INSTRUCTIONS



## IT'S ALL ABOUT THE **GRAIN**

Strong, supple, and in sync with our body temperature, top grain leather is always the top choice for leather furniture. But anyone shopping for leather furniture quickly learns that there's more to top grain leather than its location on the hide. A range of lifestyles and budgets have spawned many types of top grain leathers, or grades. The easiest way to navigate the market's many choices is to remember that leather's authenticity, price, performance, texture and even color all come down to the question of grain. Is it natural, corrected, or somewhere in between?



### **NATURAL (FULL) LEATHER GRAIN**

The top of the top-grain selection is uncorrected or natural, full grain leather. These premium hides are the real deal fully authentic because they retain all the natural textures and markings of the cowhide, with no imperfections changed or corrected. Only five percent of all upholstery hides rank in this elite status.

Full grain leathers are colored with clear (aniline) or semi-clear (semi-aniline) dyes to highlight, rather than cover, their natural grain and markings. But with little or no opaque pigment in these dyes, each individual cell on the hide will absorb color in its own way. Similar to the color variation that occurs when a wood grain is stained, full grained leathers are fully unique, emphasizing leather's natural, one-of-a-kind quality.

### **CORRECTED LEATHER GRAIN**

Most top grain leather is partly or fully corrected. These hides retain the quality, thickness, strength and supple feel of their top grain, but arrive at tanneries with too many unwanted blemishes. Some hides are gently buffed to even out the grain; others are sanded to remove unwanted markings and then embossed with a uniform grain pattern. Many levels of corrected leathers exist, from slightly to heavily altered, depending on the original condition of the hide. Partly corrected hides look and feel more natural than fully corrected hides. And like full grain leather, their more natural graining, which is often not uniform in appearance, can make them more costly.

Partly corrected hides can be colored with semi-clear (semi-aniline) dyes. But fully corrected hides are dyed with opaque pigments to help cover any unwanted natural markings.

Split leather is always fully corrected and dyed with opaque pigments. As the bottom layer of a hide that's been spliced, split leathers lack the natural graining of top grain leather, so they benefit from grain embossing and solid color pigments. Split leathers are usually applied to the outside arms and back of leather furniture as a complement to top grain leathers which are located on the seats, inside backs and arms – basically everywhere your body touches.

Leather correction doesn't affect leather's durability in any way. Though natural grains are altered for greater uniformity, corrected leathers are extremely durable and can be more suitable to active lifestyles than uncorrected, full grain leathers.

## PIGMENTED AND SEMI – ANILINE LEATHERS

Leather should be cleaned often. Frequent and gentle cleaning is easier on leather versus less frequent, more aggressive cleaning. Cleaning will remove dust, dirt, perspiration. We recommend that you first wipe off any dust, paying special attention to those areas where particles will collect, such as the area between the seat and the cushions.

Clean pigmented and Semi-aniline leather should be cleaned with a mild soap and water solution (a mild soap will have a neutral pH so it is not harsh on your skin and therefore not harsh on the leather). For general cleaning, use a weak solution of soap; 3 – 4 drops of soap per liter. Use a slightly higher concentration to remove more excessive dirt. Always wipe off any residual soap solution from the leather with a clean, damp cloth. It is important that you do not saturate the leather. Always test the soap solution in an unseen area of the sofa to ensure the solution does not damage the leather.

## NATURAL AND FULL ANILINE

Leather should be cleaned often. Frequent and gentle cleaning is easier on leather over less frequent, more aggressive cleaning. Cleaning will remove dust, dirt, perspiration. We recommend that you first vacuum off any dust, paying special attention to those areas where particles will collect, such as the area between the seat and the cushions.

Clean aniline leathers only using a slightly damp cloth and then immediately wipe with a dry cloth. Do not use any type of soap on aniline leathers. It is important that you do not saturate the leather

## ALL LEATHERS

Conditioning is not necessary. Cleaning to remove skin oils is the best prevention to any deterioration of the leather. The use of any conditioners or treatments on your furniture will void the manufacturer's warranty.

### Some other important things to keep in mind:

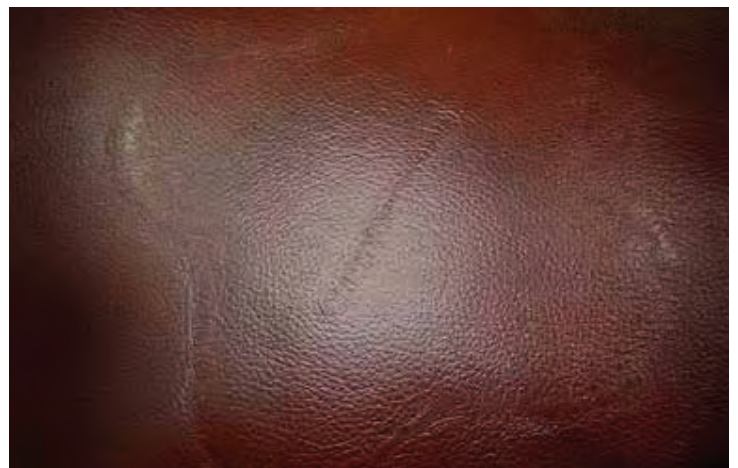
- Special attention should be given when cleaning the areas where there is more skin contact with the leather*
- Hair products and skin oils will chemically attack the finish on the leather.*
- Exposure to sun and/or extreme light sources will cause fading and potential damage.*
- Dark jeans and other clothing have a high risk of dye transfer onto the leather, especially when the leather is lighter in color.*
- Sharp objects will easily puncture and cut into leather.*

## SIGNS OF GENUINE LEATHER

The rich history of each hide is an unsheltered one that results in natural scars, marks and imperfections. With leather you get so much more than just a cover for your furniture, you get a story that is as distinct as a fingerprint. This is one of the traits that makes owning leather so special.

No man-made material can compare with the beauty of genuine leather. The inherent advantages of leather, as well as the range of grades and colors available, make leather furniture suitable for every lifestyle.

Unique, natural surface markings ensure every leather sofa is as interesting as it is individual. They're also found only on genuine leather... and top quality genuine leather at that.





## BRANDING MARKS

Found on virtually every hide, a brand mark varies from a letter or a number to a shape or image, and are usually one of the largest natural markings.

If brand marks are smooth and add to the character of the leather, they will be placed on the sides or outside backs of the leather furniture.

## VEINS

A cow's blood vessels appear as irregular, marble-like veins on a hide. Usually more visible in the neck and across the backbone, veins are often more prominent in older cows, and can also reflect the cow's climate. In cold weather, veins contract to reduce heat loss to the skin. In warm weather, veins expand to increase it. You will find these in any position on leather furniture.

Given that veins are closer to the underside of the cow's hide, they appear most commonly in split leathers; the underside of top grain leather.

## SCRATCHES & SCARS

While deep and unhealed scars are cut out of the hide, thin surface scratches are part of the natural characteristic of leather. Healed scars are as strong as the rest of the hide. Healed scratches and scars can appear in any position on leather furniture.

## WRINKLES, STRETCH MARKS AND CREASES

Wrinkles occur naturally wherever loose skin is located on the hide. They are typically found in the neck and shoulder, and can be common in belly areas. Wrinkles and stretch marks are typically placed on the sides and back of the leather.

Mild creases may appear anywhere on the piece.





## BITES AND PIN HOLES

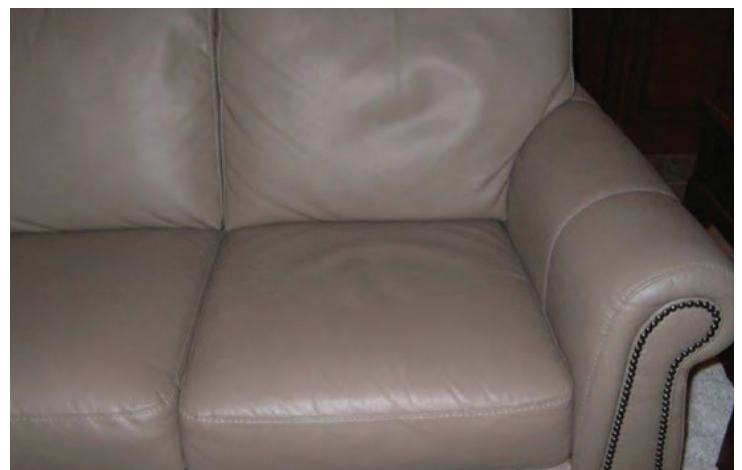
Mosquitoes, ticks, flies and parasites all take their pound of cow flesh, leaving behind small circular marks or tiny holes on a cow's hide. Bites are common occurrence on hides and leather furniture, but mostly innocuous and typically small. Bites pin holes can appear any where on leather furniture.



## CHARACTERISTICS AND REACTIONS ON HOW LEATHER FURNITURE WILL RELAX & STRETCH WITH USE?

Leather is a natural skin, even when upholstered on furniture. It has limited elasticity and will soften and relax as you sit in it and with use. All leathers will stretch and in most cases they will not return to their original shape. This is a natural characteristic of genuine leather and is not a defect – it actually will become even more relaxed and loose over time. This does not affect the wear of the leather but does increase the comfort!

Here are some examples of top grain leather upholstered on furniture, relaxing with use:



# CAUTION! WARNING

Due to the nature of the dyes used for staining clothing, it is possible that a color transfer may occur on your new furniture

**(No warranty applies  
in this case)**

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# OUR QUALITY

## Frames

Bugatti Design's hardwood frames come with a lifetime guarantee. The frames are made of Oak or Maple; joints are secured with screws and glue, also strengthened with corner blocks and/or staples. We own and operate our own frame shop for greater control over quality and delivery time.

## Seats & Spring Construction

Our spring system consists of a NO-SAG, ZIG-ZAG seamless coil or sinuous spring "S" shaped wire (using 8.5 gauge steel) fastened to the seat frame at the front and back and re-enforced with 2 metal strings covered in plastic. The springs are covered with padding and upholstery. A sofa will contain 12 springs, a love seat 8 springs and a chair 4 springs.

## Cushions

Our seat cushions are made from a high density Polyurethane foam wrapped in polyester. The density rating is 2.2 lb per cubic foot. All seating offers 3 choices of firmness. Also available is a 5 pound memory foam (viscose) applied to the 2 lb foam seat cushions. Feather seats are available on certain styles. The back cushions are made of Dacron. The foam used is manufactured using an environmentally friendly process void of any ozone depleting CFC's.

## Sewing

First quality bonded nylon threads are used, for double stitch or baseball stitch. Contrast stitching is available on specific styles at no extra charge.

## Legs

Bugatti Design provides legs in 9 different colors as well as metal & aluminum legs.

## Leathers & Fabrics

We have a vast selection of fabrics and 45 different colors of leather. All leathers are sourced from the finest Italian tanneries.

*All our products are custom made by dedicated craftsmen.*

*For more information about our products, please read our Information and Care Guide.*

# WARRANTY

Bugatti Design offers a lifetime guarantee on its wooden frames and 10 years on No-Sag springs. This guarantee applies to products used for residential purposes by the original purchaser. This guarantee does not cover misuse or negligence. Bugatti Design reserves the right to refuse to perform repairs on any product that is non-hygienic.

Please note labor is guaranteed for up to one year. Transportation costs are not covered. Defective replacement parts are guaranteed as indicated below.

## Woodwork and Springs

A Lifetime guarantee applies to wooden frames and 10-year guarantee for No-Sag springs. This guarantee does not cover misuse or negligence.

## Reclining Mechanisms

Manufacturing defects in all reclining mechanisms are guaranteed for 3 years after the date of purchase. Technician fees are only covered for the first year from date of purchase. This guarantee is conditional based on the availability of the manufacturer's mechanism stocks.

## Cushions

Seat cushions are guaranteed against flattening 2.5 cm and more.

## Fabric and Leather

**Leather:** Leather is guaranteed against manufacturer defects for up to 5 years after the date of purchase. Fading, shrinking and sun damage are not covered. Damage caused by inappropriate cleaning methods is also excluded.

**Fabric:** Fabric is guaranteed up to one year following the date of purchase. Pilling, fading, shrinking and sun damage are not covered. Damage caused by inappropriate cleaning methods is also excluded.

**Ultraleather:** Ultraleather is guaranteed for up to three years following the date of purchase. Transfer of color, fading, shrinking and sun damage are not covered by this guarantee. Damage caused by inappropriate cleaning methods is also excluded.