



A dream HI-MACS® House  
by Lake Garda

Photos: © Bruce Hemming

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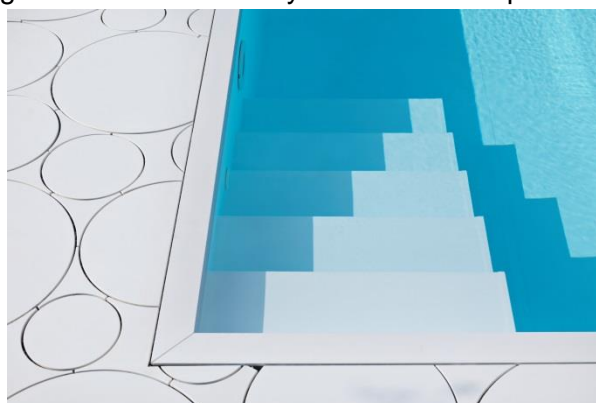


*On one of the steep mountain slopes on the northeastern shore of Lake Garda, an entrepreneurial couple fulfilled the dream of their own luxury villa: simple, transparent and exclusive down to the last detail. The whole house - in which HI-MACS® has been used extensively - radiates light with a minimum of walls, and huge picture windows. A real living and wellness dream "in the garden of Europe" with fantastic views of picturesque villages, rugged mountains and of course the deep blue Lake Garda.*

*"The owners wanted something different, with an appealing and design-led finish, which meant we immediately knew HI-MACS® was the perfect choice of material." explains **Karl Dreer**, managing director of the design and interiors company and an expert when it comes to the processing of solid surface materials. In fact, the owners themselves even call it "**The HI-MACS® House**", for a good reason. Apart from the fabulous swimming pool area, the floors, much of the furniture and kitchen and bathroom elements are all made of the solid surface material.*

En route to the fabulous grounds, breathtaking views of the brilliantly white cube-shaped structure and its huge glass surfaces reveal an amazing architecture with the clear statement: "less is more." White, with straight-lined surfaces this perfect sculptural architecture seems to flow directly from the bright blue of the pool into the darker water of Lake Garda.

The six-meter-long, concreted and foil-lined pool blends seamlessly into the terrace floor. The overflow pool is not only a visual highlight, but is also ecologically heated



and automatically cleaned. A photovoltaic system on the roof heats the pool and an automatic measuring unit determines the chlorine content and the pH value. A robot takes over the automatic cleaning. The entire pool technology, like the rest of the house, was planned very precisely in every detail.



### "Haute couture of terraces"

Dreer-Graf GmbH worked on a wide variety of patterns to entice to the owners, who preferred the unusual retro-look seen here. Different radii of circles, supplemented by filling pieces, result in a random pattern fabricated in HI-MACS®, using a complex milling technology. The result: pure retro-design in which the pattern runs right up to the pool, which is also enclosed in the solid surface material over its entire surface, as are the steps leading into the pool and to the outdoor shower. A complete irrigation level has been installed underneath the terrace.

Walking along the cream-colored natural stone stairs, also designed by Dreer-Graf GmbH, you reach a small piece of lawn, surrounded by an all-glass railing, and containing a bar with a hidden refrigerator, also made of the solid surface material



## Minimalism meets solid surface enthusiasm

The entire outdoor area functions as a wellness area. Pool, shower and huge lounge furniture offer the perfect setting to enjoy the fantastic view to the fullest where the design line of Living Divani alternates with unique pieces made of HI-MACS®. Special focus is on the huge dining table – almost four metres long! With its futuristic, cantilevered shape, it is a fabulous centre-piece, all made possible thanks to the ability to thermoform, and seamlessly join the high-tech material. HI-MACS® can be formed into virtually any shape, exactly what was required for this outdoor table. An electric teriyaki grill, enclosed in a round HI-MACS® cladding, forms the core of many cosy evenings in this architectural gem. A huge 3,40 x 4,40 metre seating area, also in the solid surface material, offers ample space for relaxing. Small side tables complete the picture. In the evening hours, the solid surface shimmers and shines in the light, its UV, water and weather resistance ensuring the material is perfect for this outdoor application.



## Open Living room, craftsmanship that inspires



The living spaces are equally impressive in their design, featuring natural light, combined with open-plan loft-style living, for a relaxed yet opulent lifestyle.



A direct visual axis allows an uninterrupted view of the huge lake on three sides. A huge white Living Divani leather sofa serves as a centrepiece, surrounded by a contrasting black rug. The oversized TV barely makes any impact in this huge room, with its 120 square metre HI-MACS® floor. Structural steel columns are covered with attractive lacquered wood.

The solid surface material was not only used for display purposes, but also in hidden areas, such as the cladding of the circular ventilation grilles for the air conditioning, and also the shadow gaps on the floor and ceiling. Speakers are integrated into the HI-MACS® ceiling, as well as the lighting and inspection shafts. The result is exact contours for every drywall element - from the niche to the ceiling. "Up to now, it was only possible to achieve such exact contours with extremely technical processes" confirms Dreer. The complete design as well as the technology for it were developed by Karl Dreer himself, and are used wherever a really perfect appearance is required.

### **Dining and cooking area**



The home's luxury dining and cooking area is situated in the rear of the 120 sq metre upper floor. The dining table, reminiscent of the outdoor table, has a black-lacquered stainless steel frame, and is placed directly in front of the huge window area, so the owners can enjoy the spectacular view of the lake with every meal. The Living Divani chairs provide comfortable seating, and sophisticated designer lamps complete the unique ensemble.

## The ideal cooking island for open plan rooms.



The cooking island has been designed to blend into the open living room, free-standing and as if made from a single piece of HI-MACS®. The design principle was simple: One cube, straightforward with no curves, and is complimented by the elegant Alpine White colour. The central block is a monolith and, like the kitchen units and tall cabinets, is made entirely of the solid surface material - with many ingenious details: the simple, handleless mitred fronts with the electric opening system Servo-Drive; the adjustable extractor hood; the designer control panel in stainless steel. An integrated sink with seamless joins made possible with HI-MACS®, means the entire worktop is extremely hygienic and easy to clean. The "softness" of the material is particularly useful in everyday kitchen use unlike rock-hard marble, granite or tiles. High-quality kitchen appliances complete the picture. Even while cooking, the hosts can enjoy the fantastic view of the Mediterranean landscape, thanks to the corner windows, which offer a spectacular view of the mountains of Lake Garda. Adjacent to the tall kitchen cabinet, which includes a hidden refrigerator, a low level run of units, consisting of three deep drawers and hidden lighting was installed, leaving an impressive wall space for artwork above. This is accompanied by another wall module that leaves plenty of room for all kinds of utensils. All units are easy to open despite the lack of handles, thanks to the tip-on opening mechanism.

An absolute highlight is the bio-ethanol fireplace. Fully automatic with a 25-litre tank and remote control, it is not only beautiful, but also extremely functional. Naturally, the entire chimney block was also made of HI-MACS®.

In the guest bathroom, bespoke nickel-plated and high-gloss polished handles mirror the retro-terrace design, which is further reflected by the latticework in the room. The slanted washbasin of the guest bathroom is not only distinguished by functional refinements, such as a deeper towel compartment or an opening for the dirty towels, but also impresses with the impervious, smooth and visually seamless HI-MACS® surface. The oversized mirror makes the bathroom appear noticeably larger.

## A latticework passageway

The staircase to the ground floor is the first area to depart from white HI-MACS®. Dark smoked oak parquet softens the dominant white appearance, so that the overall impression is very warm, without compromising the chosen minimalism. Once downstairs, the view is directed over a 12 m long passageway, from which the downstairs rooms are reached, all via "invisible" doors: the guest room, dressing room, fitness room, bedroom, bathroom and the lift. Cupboards and doors are cleverly concealed behind each wall element. At the end, towards the bathroom, wall paneling finishes off the visual feast - but in reality, these are hidden cabinets too. Dramatic art objects act as splashes of color in this dark-and-white ambience.

## The perfect material for exceptional design

The master bathroom with a hidden toilet area has a 1,90 metre washbasin and features a large walk-in shower with a captivating view of Lake Garda. Floor, walls and ceiling, everything is made of the solid surface material, seamlessly joined as if cast from a single mould. The smooth nature of HI-MACS® means that the entire room is hygienic and easy to clean, with integrated niches for storage and lighting joining the seamless finish.

The master bedroom is adjacent to the bathroom, separated by a sliding door. Simple Living Divani furniture elements in black and white can be found here. Next to it are located the dressing room and fitness room.



One of the design highlights is the huge sliding lattice wall across the entire front of the ground floor. The sliding doors are again made of HI-MACS®, and offer a unique feature, only possible thanks to complex milling techniques. The open areas are covered with fly screens and act as mosquito protection. At the same time, this extraordinary design element is lockable and thus adds to the security of the property. Each of the four parts is 2.5 metres long and open easily, sliding into a recess in the wall. This gives the owners the freedom to either enjoy the uninterrupted view of the lake, or view it through the stylish screen.

Each of these rooms - and furniture elements - required extensive skills, experience and craftsmanship. The builders found both at Dreer-Graf. *"Since the material has been used in the architectural sector, we have been working with HI-MACS® from Klöpfer Surfaces,"* emphasizes Karl Dreer, project manager in charge of this wonderful home. A subtle mix of elegance, light and craftsmanship characterises the atmosphere of the whole house. No matter where you are in the house, brightness and Lake Garda determine the atmosphere.



**PROJECT INFORMATION:**

**Design and Fabrication:** Campanardi DESANTI has developed the entry- and submission planning, the technical planning such as heating, sanitary, electrical, pool and the house's exterior with coordination of the Dreer-Graf GmbH.

The complete interior planning and interior design was developed and built by the Dreer-Graf GmbH.

**Carpet:** Kymo

**Pendant luminaire:** Occhio Modell Mito

**Chimney:** Planika

**Material:** HI-MACS®, Alpine White [www.himacs.eu](http://www.himacs.eu)

**Photos:** © Melanie Gotschke





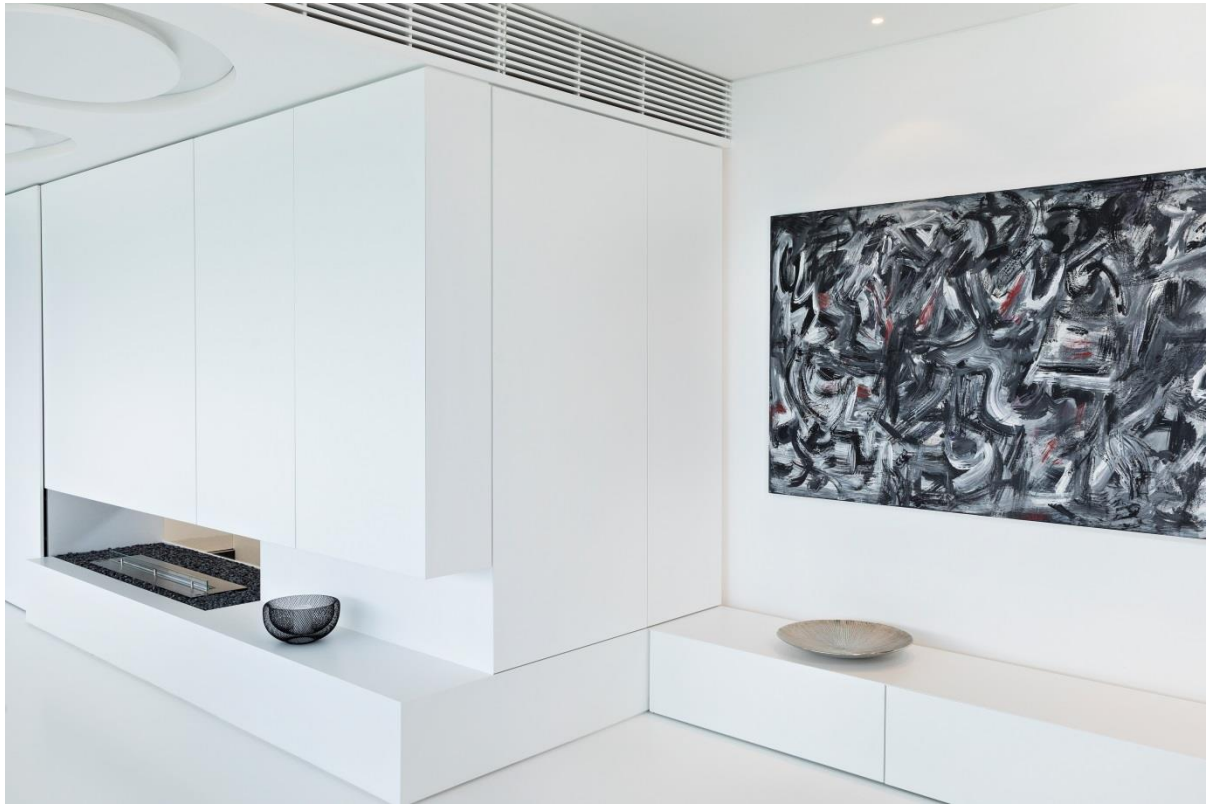
**HI-MACS® Media contact for Europe:**

Mariana Fredes – LG Hausys Europe GmbH - Ph. +41 (0) 79 693 46 99 – [mfredes@lghausys.com](mailto:mfredes@lghausys.com)  
High resolution images available: [www.himacs.eu/newsroom](http://www.himacs.eu/newsroom)



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## HI-MACS® by LG Hausys

[www.himacs.eu](http://www.himacs.eu)

HI-MACS® is a solid surface material that can be moulded into any shape. It is widely used for architectural and interior applications, such as sculptural and high performance wall-cladding or kitchen, bathroom and furniture surfaces, in commercial, residential and public space projects. It is composed of minerals, acrylic and natural pigments that come together to provide a smooth, non-porous and visually seamless surface which meets the highest standards for aesthetics, fabrication, functionality and hygiene – offering manifold advantages over conventional materials.

HI-MACS® provides limitless possibilities for surfacing solutions and inspires creative minds from all over the world. **Zaha Hadid, Jean Nouvel, Rafael Moneo, Karim Rashid, Marcel Wanders** and **David Chipperfield**, among others, have completed fabulous projects using HI-MACS®.

At the forefront of innovation as always, LG Hausys recently introduced two new products. First **HI-MACS Structura®**, a 3D textured panel material that takes solid surface opportunities to a new level. And now **HI-MACS® Ultra-Thermoforming**, an innovative formula that pushes the boundaries of solid surface shaping to a whole new level, with 30% more thermoplastic capabilities - the biggest innovation for the Solid Surface history since its inception in 1967.

LG Hausys' HI-MACS® uses a simple heating process to give three-dimensional thermoplastic forming capabilities, allows visually seamless designs, offers a virtually limitless range of colours and – for some shades - exhibits a special translucency when exposed to light. Although HI-MACS® is almost as robust as stone, it can be worked in a similar way as wood: it can be sawn, routed, drilled or sanded.

HI-MACS® is manufactured using a new generation technology, the **thermal cure**. The temperature reached during the manufacturing process sets HI-MACS® apart from other solid surfaces and creates a denser, even more homogeneous, sturdy, durable surface – with a better resistance and superior thermoforming performance.

HI-MACS® does not absorb humidity, is highly resistant to stains, and is easy to clean, maintain and repair.

Countless internationally recognized certificates attest to the quality of HI-MACS® in terms of ecological commitment, hygiene and fire resistance – being the first Solid Surface in the market to receive the official **European Technical Approval (ETA) for façades** – for Alpine White S728 colour.

HI-MACS® offers the longest warranty on the solid surface market with a 15-year warranty for products fabricated by a Quality Club Member.



### HI-MACS®. Because Quality Wins.

For more information and to stay connected, visit our [website](#) and our [newsroom](#).

*Let's connect!*



\* HI-MACS® is designed and produced by **LG HAUSYS**, a world leader in the technology sector belonging to LG Group, and distributed by **LG HAUSYS EUROPE** based in Frankfurt (Germany).

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