

# HI-MACS® Lights up the Poetic Façade of the Bieblova Apartments in Prague

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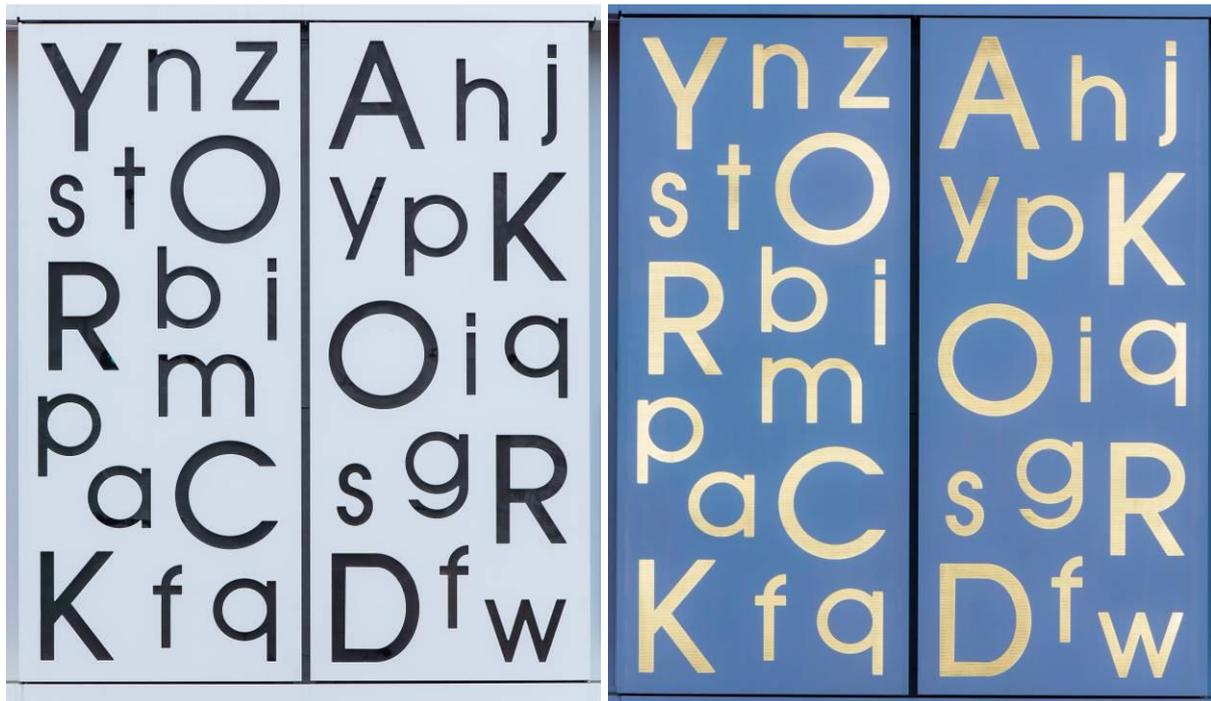
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**The façade of the Bieblova residence project, built using HI-MACS® Solid Surface, has been designed by P6PA+Architects as a tribute to Konstantin Biebl, a prominent Czech poet from the inter-war period who lends his name to the street in Prague where the building is located.**

The construction of this poetic façade arose from the need to create a frontage with contemporary aesthetics that would fit in with the original decorations of the surrounding buildings that date from the first half of the 20<sup>th</sup> century. After much deliberation, HI-MACS® was chosen as the best material for the project, due to the many varied attributes of the material.

**The main expressive element of the building** – which comprises two basement floors and seven upper floors – **is found in the impressive façade built using white panels of HI-MACS®, a material chosen for its excellence in cladding for large structures.** The large size of the panels that make up the façade (2.6 x 1.1 m) along with the graphic work on their surface (using perforated letters) enables the building to have a different appearance at night thanks to the back-lighting effects. Read diagonally from the upper left-hand corner to the lower right-hand corner of each panel, the letters spell out different titles of poems by Konstantin Biebl: Zlom (Turning point), (as seen in the bottom left panel on the building) Ikaros (New Ikaros), K Lesu (The way to the forest), Havran (The rook), Akord (The chord) among others. This creates an image full of contrasts and content that becomes even more lively at night, making the building stand out from the adjoining buildings in an elegant, subtle way.



For the façade's architectural design, the letters were milled into the HI-MACS® surface using CNC technology, and each one has a unique design. The structure is backlit for a more dramatic effect, and its sides are slightly contoured with an LED light to soften the letters that make up the poems.

The structure of the façade is formed by different layers that create a highly functional and extremely aesthetic cladding element. The external covering comprises a 12-mm layer of HI-MACS®, a layer of 8-mm transparent acrylic glass, and a third layer of black acrylic glass underneath. The hidden load-bearing element of the façade is a steel structure.

The system for fastening the panels to the building uses stainless steel profiles and plastic pegs. Each panel hangs as a separate entity, which thus allows either horizontal or vertical adjustments, independent of any other panel.

One of the most difficult tasks in the project was getting approval from the local authorities. The biggest challenge was reaching an agreement in terms of protecting the city's historical and urban landscape. The project was presented to several historical department committees and to Prague City Council. Building permission was finally obtained and, thanks to that, **the poems of Konstantin Biebl can be read on this façade built using HI-MACS®, making the building stand out from the architectural landscape of the Czech capital.**

## PROJECT INFORMATION

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**Project:** Bieblova Façade, Prague, Czech Republic

**Client:** Donova, a.s.

**Architects:** P6PA+Architects, s.r.o. [www.p6pa.cz](http://www.p6pa.cz)

Martin Klejna, Javier Navas Fabregat

**Technical details:** Ondřej Šteger, Martin Wolf, Rostislav Koziel

**HI-MACS® supplier:** Polytrade CE, s.r.o. [www.polytradece.cz](http://www.polytradece.cz)

**Manufacture:** Dřevovýroba Podzimek s.r.o., Duolit s.r.o., Atlas Group s.r.o.

**LED lighting:** HAFELE Czech Republic, s.r.o.

**Material:** HI-MACS® Alpine White 12 mm [www.himacs.eu](http://www.himacs.eu)

**Photos:** © Miguel Alonso



## 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 acrylic, natural minerals and pigments that come together to provide a smooth, non-porous and visually seamless surface which meets the highest standards for quality, 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 and David Chipperfield**, among others, have completed fabulous projects using HI-MACS®, from kitchens to bathrooms, including decorative items, in hotels as well as in museums, shopping centres and on external façades.

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.

As regards hygiene, 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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