

ALPOLIC™



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WITH 5-FOLD SAFETY IN FACADE CONSTRUCTION

ALPOLIC™ – this means fivefold safety when it comes to aluminium composite panels for sophisticated facade design. Discover all the points that speak in our favour and put your trust in the quality and safety of a strong brand for your future projects.

SUSTAINABILITY

On the basis of our unique KAITEKI philosophy we make our contribution daily for a safe and sustainable future. This means, for example, that all the materials we use are 100% recyclable.

GLOBAL MARKET LEADER

ALPOLIC™ represents 47 years of know-how and experience in the development and manufacture of aluminium composite panels. As the global market leader, our name stands for the safety of innovative, high-quality products and for perfect service.



FIRE PROTECTION

When it comes to maximum fire safety, ALPOLIC™ allows nothing to burn. We have already proved this in countless international tests. It is no wonder that our certified ALPOLIC™ A2 aluminium composite panels continue to set new standards with respect to fire safety – even up to 2m width!

QUALITY GUARANTEE

Without doubt, ALPOLIC™ is always the first choice as far as protecting the facade from atmospheric influences, corrosion and scratches is concerned. And this will also be written down for you in black and white. With a quality guarantee of up to 20 years.

A VARIETY OF DESIGNS AND COLORS

ALPOLIC™ offers architects and fabricators the reliability of the greatest variety of designs and colors on the market. Whether trend colors, surface designs or genuine metals - our portfolio allows an unlimited creative freedom.





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WITH THE
KNOW-HOW
OF A
GLOBAL
MARKET
LEADER

Flat surfaces, weather resistance, easy processing and a limitless variety of designs and colors - these and many other quality features characterize ALPOLIC™ aluminium composite panels. Our company was founded in Japan in 1971 and we are today a brand of the Mitsubishi Chemical Corporation. Customers around the world appreciate our high production quality and short delivery times. With an annual production quantity over 10 million m² worldwide we are currently one of the global leader in our sector.

In the last decades, we have developed into the trendsetter in facade design. Numerous milestones such as our genuine metal surfaces in the continuous coil-coating process, our A2 certification or our patented LUMIFLON™ FEVE coating underline our high innovative strength. Since 2014, we have also been operating in the European market. At our site in Wiesbaden in Germany we currently have an annual production capacity of around 1,5 million m² aluminium composite panels.

WITH FIRE PROTECTION THAT SETS STANDARDS

In building envelopes, ALPOLIC™ is a byword not only for fascinating design and top quality but also for the greatest possible fire safety. Because protecting human life has top priority for us. Our products are therefore put through the toughest fire tests. The results flow directly into our product development, which we are continuously adapting to the safety requirements of the respective countries in close consultation with authorities at national and European levels.



ALPOLIC™ passed main General Construction Approval in Europe, Bauzulassung in Germany, Avis Technique in France or BBA in UK. With respect to its fire behaviour, our facade material has also been tested according to European norm EN 13501.

Our standard ALPOLIC™/fr versions of fire-resistant FR quality already meet the requirements of EN Class B-s1, d0. Still more safety is provided by our ALPOLIC™ A2 aluminium composite panels with a non-combustible mineral core meet the requirements of EN Class A2-s1, d0.

In UK we tested by BRE (Building Research Establishment) within the framework of a test series according to BS 8414-1, in which ALPOLIC™ composite panels were tested in 15 assemblies until now according to BR 135 criteria. Complete ventilated facade systems consisting of facade panels, fire barriers, insulation materials and sub-constructions were tested in different versions.

But ALPOLIC™ A2 has still more to offer. Because we are currently the only supplier that can deliver A2 aluminium composite panels in widths of up to 2m.

Classification of fire behavior

ALPOLIC™ product reference	Examination after... / Classification				General	Appx. Portion of combus- tible ingredients within the core material	Heat potential of the core material
	EU	DE	UK	FR			
A2	EN 13501-1 A2-s1, d0	DIN 4102-1 A2	BS 8414-1 BR 135 classified	M0	"Non-combustible" "Limited-combustible (UK)"	< 10% 	< 3 MJ/kg
FR	EN 13501-1 B-s1, d0	DIN 4102-1 B1	BS 8414-1 BR 135 classified	M1	"Hard to burn"	< 30% 	< 15 MJ/kg







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WITH AN UNLIMITED VARIETY OF DESIGNS AND COLORS

ALPOLIC™ inspires architects and facade designers to conjure up ever new creations. That is because our portfolio comprises more than 200 colors, patterns and gloss grades – you will not find a greater variety of designs and colors on the market. The range extends from uni-colors, matt variants, metallic, sparkling, prismatic and premium aluminium hairline through to genuine metal. Our worldwide references, consisting of outstandingly designed building envelopes, reflect our high design standards.

But that is not all: As a trendsetter, ALPOLIC™ is also continually breaking new ground in terms of technology. As a result, we are also a supplier that manufactures genuine metal surfaces, e.g. titan, zinc, stainless steel or reAL anodised aluminium.

Discover the whole ALPOLIC™ variety of colors and designs on our website. Or request our color samples:

- Color Chart Classic
- Color Chart reAL anodised
- Color Chart Color the World
- Color Chart Pattern the World

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WITH A QUALITY GUARANTEE OF UP TO 20 YEARS

When it comes to quality we accept no compromise.

The best example of this is our high-quality LUMIFLON™ surface coating. ALPOLIC™ is currently the only brand that uses transparent fluoropolymer-based resin (FEVE) for the protection of aluminium composite panels.

And for a good reason that is: LUMIFLON™ is extremely weather-resistant and UV-stable and it protects against scratches, corrosion and acid. Therefore, ALPOLIC™ facade remain colorfast and look as bright as on the first day even after decades.

Advantages that pay off for our customers: due to low maintenance costs and with a quality guarantee of up to 20 years.



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WITH EXEMPLARY SUSTAINABILITY

ALPOLIC™ aluminium composite panels are manufactured using the coil-coating process and in accordance with the strictest safety and environmental requirements. Throughout the production process the brand follows the KAITEKI philosophy, an original concept of the Mitsubishi Chemical Corporation. This involves a sustainability programme that promotes environmentally friendly production methods and a respectful use of resources.

With success: Today, all materials used for ALPOLIC™ aluminium composite panels, as well as production wastes, are 100% recyclable.

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**Quality
made in
Germany**



Recycling

Our materials are almost 100 % recyclable. Even waste from ALPOLIC™ plants is collected and recycled.



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Asahi Glass Co., Ltd.**

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