

Aluminium composite panels

Technical data

ALPOLIC™/fr aluminium composite panels consist of two 0.5mm thick aluminium cover sheets which are applied to a flame-retardant mineral polymer core in a fusing process.

The front is usually coated with LUMIFLON™ – based on a transparent fluoropolymer resin (FEVE) – or with DURAGLOSS® 5000. The production is carried out using the coil-coating process with state-of-the-art technology. The composite panels meet the fire protection requirements of **EN 13501-1, class B - s1, d0 (flame-retardant)** and are approved by the building authorities (DIBt, Berlin). Due to their special product properties such as excellent flatness, easy to process, low weight and high UV and corrosion resistance, they are the ideal material for exterior and interior applications in demanding building architecture.

Product features

- Excellent flatness
- High rigidity
- Low weight
- Robust and durable
- Impact and fracture resistant
- Corrosion, weather, UV- and graffiti-resistant
- Easy to process
- Fire protection class B - s1, d0 (flame-retardant)
- High-quality surface coating
- Consistent colour quality and consistency
- Wide variety of colours and designs
- Approved by building authorities
- Almost 100% recyclable
- EPD certified

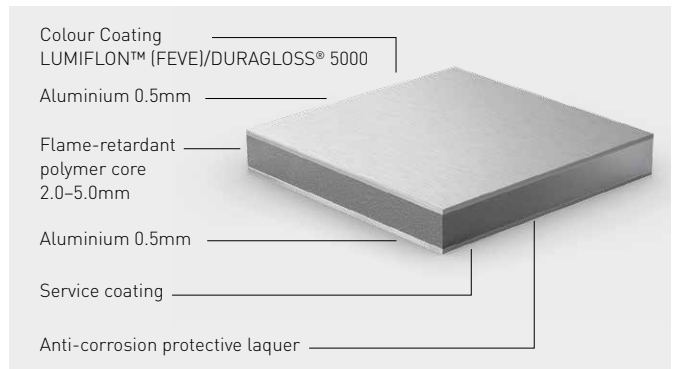
Surface coating



The front of the ALPOLIC™ aluminium composite panel is usually colour-coated with LUMIFLON™ or DURAGLOSS® 5000.

Both coatings guarantee high colour stability, provide reliable protection against the effects of weather, UV radiation, corrosion and acids and are efficiently resistant to chalking. The coating is guaranteed for up to 20 years. LUMIFLON™ is one of the world's highest quality coatings, based on a transparent fluoropolymer resin (FEVE). The reverse side of the composite panels is coated with a polyester-based coating to protect against corrosion.

Further technical details on LUMIFLON™ can be found in the corresponding data sheet, which you can download from the website: www.alpolic.eu



Areas of application

ALPOLIC™/fr aluminium composite panels are ideally suited for the sophisticated design of rear-ventilated façades systems and decorate façade for both internal and external applications. The product is suitable for both new and refurbishment projects.

- Rear-ventilated façades
- Façade and roof cladding
- Veneers
- Corporate Identity
- Interior architecture

Colours and surfaces

The range comprises more than 200 colours and surface designs in various degrees of gloss (15 - 80%): solid colours, reAL Anodised, metallic, sparkling, prismatic, decors and real metals. The entire product range can be found in our website, where you can order samples and download colour charts and technical information.



