

Aluminium composite panels

Technical data



ALPOLIC™ NC/A1 is an aluminium composite material to be classified in accordance with the European fire protection standard EN 13501-1 for building material or fire protection class A1 („Euroclass A1“). This means that the product is non-combustible and does not produce any smoke in the event of fire. It therefore offers an ideal alternative to façade materials made of metal or other cladding materials used for ventilated rainscreen cladding façades systems.

ALPOLIC™ NC/A1 is manufactured from two 0.5 mm thick aluminium cover sheets. These are applied to the non-combustible mineral core in a special fusing process. The front is usually coated with LUMIFLON™ – based on a transparent fluoropolymer resin (FEVE) – or with DURAGLOSS® 5000.

Product features

- High flatness
- Strong rigidity
- Solid
- Withstand corrosion, weather, UV and graffiti
- Facilitates processing
- Fire protection class A1 (non-combustible)
- Quality surface coating
- Consistent colour quality and consistency
- Wide variety of colours and designs
- In accordance with building authority standards
- Reusable
- EPD documented

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. The coating is guaranteed for up to 20 years. LUMIFLON™ is a coating, 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

As non-combustible aluminium composite panel with A1 classification, ALPOLIC™ NC/A1 is particularly suitable for areas where a very high level of fire protection is required or the use of non-combustible façade materials is prescribed. This applies in particular to buildings such as high-rise buildings, high-risk buildings, stairwells and similar applications. Thanks to its product and processing properties and the wide range of finishes available, ALPOLIC™ NC/A1 opens up various architectural design possibilities – both in refurbishment and new buildings.

- Ventilated rainscreen cladding
- 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 - 30%): solid colours, metallic, sparkling, prismatic and pattern finishes.

The entire product range can be found on our website, where you can order samples and download colour charts and technical information.



