

4mm Mitsubishi ALPIOLIC NC is standard with the Lumiflon FEVE coating finish

Specification wording that can be included in standard Aluminium Façade Panel specs, based on performance & warranty conditions.

Please see my suggestions below. This FEVE paint technology is standard on Mitsubishi ALPOLIC NC and optional on other façade panel reputable brands.

Coatings with Lumiflon FEVE resin technology offer benefits that many other coatings do not. The FEVE fluoropolymer provides unmatched weatherability, which helps prevent against coating degradation. FEVE-based coatings also help reduce lifecycle costs, as their hyper-durability allows a coating to resist degradation in the face of UV radiation, salt, and water for decades.

Performance based specifications to manage industry standards (Example)

1. Specify FEVE to achieve the most current & advance chemical structure. EG. The surface shall consist of "Fluro-polymer" FEVE based fluro-carbon Lumiflon (colour) gloss level 30%, 50% or 80% as specified.
2. Paint process is to be a three-coat system, consisting of a primer, topcoat and clear coat with a minimum thickness of 35 micron.
3. Colour retention (ASTM D 2244-93) shall achieve a maximum rating of 5 units after 4,000 hours.
4. Gloss retention (ASTM D 523-89) shall be a minimum of 70% after 4,000 hours.
5. 4mm aluminium panels shall also consist of an inhibitive primer on the inner surfaces and back to prevent possible corrosion. The reverse side shall consist of a polyester base coat to protect against possible corrosion in salt water environments
6. Coating paint shall meet the minimum requirements of AAMA 2605
7. FEVE fluorocarbon coating factory applied through a "Die Coating" process with a smooth, fine coating and without directional lines for solid and metallic colours
8. The coating finish shall have a manufactures warranty for 20 years and delivered with the panel warranty at completion. This coating warranty will reference acceptable limits to (but NOT limited to) these standards, ASTM D4214, ASTM D2244, ASTM D523,
9. Chalk resistance (ASTM D 4214-89) maximum rating of 8 units after 4,000 hours
10. Warranty for the Paint & Panel- Specify 20 Years for both with full replacement cost cover included.
11. The paint and panel Warranty shall be free of any cleaning and wash down maintenance clauses.

IMPORTANT- Qualify the warranty- expect a known manufacturer's brand name to the warranty and do reference checks before approval. EG. Is the name on the warranty the actual manufacturer, or a local reseller distributor?