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ALUMINIUM FINISHING INNOVATIONS - IMPROVING PERFORMANCE & PRIORITISING SUSTAINABILITY



1. What applications is architectural aluminium typically used for?

The exterior applications of architectural aluminium include building facades and cladding, windows and doors, curtain walls, and skylights. the internal applications partitions, stairs, balustrades, decorative trims, and panels.

2. Why is finishing an important feature of architectural aluminium?

Finishing enhances durability, protects the product against corrosion and UV radiation, and also provides aesthetic benefits.

3. What regulations and standards apply to the installation of aluminium finishing in Australia?

- Australian standard for aluminium powder coating - AS3715 2025
- Australian Standard for anodising - AS12341 2000
- Global recommendations for pre-treatment systems - Qualicoat International

4. Name three areas of innovation associated with architectural aluminium.

Powder coating technology, pretreatment systems, corrosion protection..

5. What are the key considerations, for specifiers, when sorting through these options and selecting the right product for a specific project?

The key considerations include the usability, aesthetic appeal, sustainability, and functionality of the products in question.

6. Explain how paints and powder coatings can negatively affect the sustainability of aluminium products.?

These finishes introduce petrochemical layers, reduce recyclability, and require frequent replacement, inflating carbon emissions over the building's lifecycle.