

SURFACE FINISHING: ANODISING



INEX ULTRA ANODISED

This is the latest international trend in surface finishing.

A brilliant new anodising process that provides a smoother superior finish, while being relatively free of grain. It exhibits a more constant low-reflective lustre and gloss level, which is being requested for current world-wide architectural finishes.

This very new German technology achieves a flatter etch than traditional anodising, as it leaves a smoother surface than mechanical finishes, with a similar low level of gloss.

BENEFITS

- Smoother surface finish, means easier cleaning.
- No typical size restrictions, as experienced with machinery for mechanical finishes.
- More consistent finish.
- More eco friendly than alternative similar processes.
- A standard warranty period of 5 years applies to all micron levels.

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SUPER SEAL

This incredible European seal technology has been developed to further enhance long term corrosion protection on anodising, offering more resistance to chemicals and more importantly to mortar based products. This makes it ideal for installation especially in architectural / construction based applications. Add this option to our current seal process, and Super Seal carries a greatly extended warranty.

- 25 micron anodising, 20 year warranty.
- 20 micron anodising, 15 year warranty.
- 12 micron anodising, 10 year warranty.

Anodising enhances the natural metal finish of aluminium while having the ability to add colour. On aluminium it provides a harder more durable finish than most other coatings as it controls the natural oxidation of bare aluminium.

INEX offers an extensive range of popular colours, including Satin (clear), Bronze, Black and Champagne with various thicknesses from 12 micron to 25 micron.

**TABLE 1 - MINIMUM COATING THICKNESS
NZS3604 CORROSION ZONE**

ZONE	DESCRIPTION	MINIMUM THICKNESS MICRONS	SUGGESTED THICKNESS MICRONS
Sea Spray	Typically within 500m of the sea or within 100m of tidal estuaries. Predominantly the west coast of the South Island and the west coast of the top half of the North Island. This zone also includes all offshore islands.	25 micron	25 microns
1	Coastal areas that are not deemed 'Sea Spray' but are still close to the coast, this includes most of Auckland	20 micron	25 microns
2	Inland coastal areas that would normally lie between coastal and hill country	12 micron	20 microns
3	Inland New Zealand, typically hill country where rainfall is plentiful.	12 micron	12 microns
4	Geothermal areas. Other areas to be included in this zone would be swimming pools, polluted and high corrosion risk areas.	25 micron	25 microns
Note			
1	All exterior black minimum 20 microns - application specific.	20 microns	25 application specific
2	All bright anodised maximum 20 micron to avoid dulling of finish.	12 microns	