

As discussed, P&O Aluminium (Sydney) Pty Ltd (ABN: 95 080 757 688) formally applied for an exemption from anti-dumping measures under subsections 8(7) and 10(8) of the Customs Tariff (Anti-Dumping) Act 1975 for the following products;

(a) 7604.29.00 (09) ALUMINIUM EXTRUSION PROFILES, extruded, conforming to Australian Aluminium Specification 7005 T593 (AAS 7005 T593), having ALL

- (a) Minimum cross sectional dimension NOT less than 6mm and NOT greater than 450mm;
- (b) Minimum ultimate tensile strength NOT less than 350 MPa;
- (c) Minimum yield tensile strength NOT less than 300 MPa

Op. 12.09.13                      Dec. date 09.12.13                      - TC 1331293

(b) 7604.29.00 (09) ALUMINIUM EXTRUSION PROFILES, produced with alloy ENAW-5005A (ENAW-ALMg1C) having ALL of the following:

(a) minimum cross sectional dimension of NOT less than 6 mm and NOT greater than 450 mm;

(b) alloy chemical composition by percentage weight of ALL of the following:

- (i) iron NOT exceeding 0.45%;
- (ii) silicon NOT exceeding 0.3%;
- (iii) manganese NOT exceeding 0.15%;
- (iv) chromium NOT exceeding 0.1%;
- (v) copper NOT exceeding 0.05%;
- (vi) magnesium NOT less than 0.7% and NOT greater than 1.11%;
- (vii) zinc NOT exceeding 0.2%
- (viii) other impurities NOT exceeding 0.15%;
- (ix) remainder Al

Op. 24.10.13 Dec. date 13.01.14 - TC 1335698

Country of origin/export: China.

Tariff Concession Orders (TC 1331293, TC 1335698) for both these products were granted under the Customs Act 1901. Furthermore, the TCO's were granted in accordance with section 269C, core criteria, i.e. no substitutable goods were produced in Australia in the ordinary course of business. Given that the exemption provisions from dumping and /or countervailing duties under the Customs Tariff Act 1975 is at the discretion of the Minister, I'd like to provide some further information regarding these applications;

1. 7005 T593.

- Typical applications; loading ramps, beams, bicycles
- We provided specifications for example existing customers (xxxxx xxxxxxxx xxxxx), xxxxxxxx, xxxx in the IDM with the TCO application. The alloy is used for extrusion products and applications where extremely high mechanical properties are required. Ultimate strength and tensile strength vs. weight are critical in such applications. If you use a softer alloy you will get permanent deformation. Attached please see Appendix 1 (source AAC Aluminium Standards) detailing minimum properties of 7005 alloy vs. other commercially available 6000 series alloys produced in Australia.
- Only simple shapes can be extruded as it is a difficult alloy to extrude and is more costly to produce due to the lower extrusion speeds required.
- It cannot be used as a general purpose alloy for architectural or marine applications due to the poor surface finish and corrosion sensitivity
- Billet would need to be sourced from a re-melt facility.

2. 5005A (ENAW- AlMg1C)

- 5005A series alloy is a non-heat treatable alloy. Major alloying element -Magnesium.
- Benefit compared to 6000 series alloys – improved corrosion resistance (Typical extrusion applications; marine, offshore structures, corrosive environments)
- Benefit compared to 6000 series alloys – improved weld strength. As 5005A is a non-heat treatable alloy the HAZ (heat affected zone) of a weld joint retains similar strength compared to the surrounding material, as opposed to 6000 series alloys where the weld strength is typically half of the strength of the material outside the HAZ. Refer Appendix 2 (Welding Metallurgy)
- Discussions have been had with xxxxxxxx, xxxxxxxx xxxxxxxx for use of the alloy for their xxxxxxxx, and specifically for a xxxxxxxx project and replacement of xxxxxxxx structures.
- Xxxxxxxx xxx project utilised this alloy for construction of the xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx system for xxxxxxxx. A similar project is to be tendered for at xxxxxxx xxxxxx.
- As a non-heat treatable alloy, 5000 series alloys strain harden quickly which makes them difficult and expensive to extrude.

Neither of these alloys are being extruded by Australian manufacturers. These products are for niche markets only and the volumes are not comparable to general extrusion alloy / market applications.

We appreciate your further consideration of this application and should you require any further information please do not hesitate to contact me.

Regards,  
Kevin

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