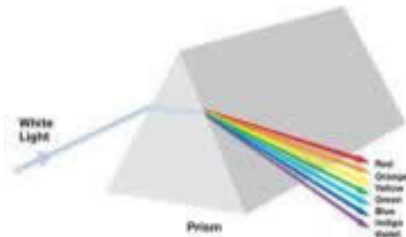


Aluminium Anodising Finishes

- *Spectrocolor 2000* is special bonding process that gives a smooth, tough finish and improves longevity. It is unique to Barton in the marine deck hardware market.
- Only 12 centres around the world are approved by Henkel for this application, we are proud to be associated with SPA Aluminium Ltd to bring you this unique technological advance in aluminium anodising.
- The *Spectrocolor 2000* technology is based on metal deposition in the aluminium oxide pores. The colour arises as a result of interference of light. This ensures an improved colour stability compared to colouring with organic dyes. International UV-light fastness standards are met or even exceeded by *Spectrocolor 2000*.
- The colour is produced electrolytically by utilising the crystal packing method for light transmission. *Spectrocolor 2000* is a 5 operation anodising process; after forming an anodic film in the normal way, by using electrolysis and applying current to the surface of the aluminium, a series of crystals of aluminium can be formed around the edges of the anodic pores. By modifying the current, it is possible to control the dimensions, properties and appearances of these crystals, transforming the barrier layer into a true optical filter.
- This optical filter, on receiving light, absorbs all the visible spectrum, except a very small band corresponding to the wavelength of the chosen colour. It is possible to control, very accurately, the light and degree of saturation of the colour obtained within the band of the retained spectrum.
- A superior smooth finish for less rolling resistance, out performs most other anodising finishes available.



SPA aluminium ltd

Serving Aluminium for 30 years

Spectrocolor 2000 specification sheet

<i>Thickness</i>	25 Microns
	Conforms to ISO 2360/BS EN ISO 2360
<i>Layer Quality</i>	Conforms to AAMA 605.2 Anodic coating Adhesion
<i>Seal Quality</i>	Conforms to ISO 3210/BS 6161 part3
	Qualanod approved
<i>Corrosion Resistance</i>	Conforms to ISO 9227/ASTMB-117 SS/1500h
	ASTM G-85 ASS
<i>UV stability</i>	Exceed ISO 6581/BS 6161 part 8
	ASTMD-2244 UV light
	(Tested 1,000 hours)
<i>Salt Spray resistance</i>	Conforms to ISO 9227/BS 7479
	(Tested 1000 hours)
<i>Weathering</i>	Conforms to ASTM G-23 (Weather-o- meter)
	(tested to 1000 cycles)
<i>Wear Resistance/Scratch</i>	Conforms to TABER European standard
<i>Heat Resistance</i>	Tested up to 95 degrees centigrade