

	SARA SAE ENGINEERING SPECIFICATION	
	SECTION SES 26 – 735 A	
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CADMIUM PLATING SPECIFICATION FOR FASTENERS 0.0002 INCH THICK

1.0 PURPOSE

- 1.1 It is the purpose of this material specification to list in concise form of the cadmium plating requirement for fasteners.
- 1.2 This material specification is intended to aid the purchasing department in procuring and the vendor in supplying a material which meets the needs of its intended use, and the quality control department in the inspection and release of incoming material.

2.0 REQUIREMENTS

- 2.1 The requirements of specification S.E.S. 26-735 shall apply in addition to the following specific requirements.
 - 2.1.1 **COATING NAME:** Cadmium plating with clear chromate or colored chromate dip, **Type II Class 3.**
 - 2.1.2 **APPEARANCE :** Has a dull gray, silver or yellow appearance
 - 2.1.3 **APPLICATION:** May be applied to steel, copper bronze, brass and other alloys for improved corrosion protection at minimal cost. Not intended for use on surfaces which are in direct contact with corrosive fluids.

3.0 PHYSICAL PROPERTIES :

1. Cadmium plating with clear chromate or colored chromate dip.
2. Thickness **max. 0.0002 inch (0.005mm).**
3. Post plate baking must be specified for part with hardness in excess of RC35.

4.0 BACKGROUND:

Inexpensive fastener coating for minimal corrosion protection. Often used on stud and nuts. Care should be taken in inspection not to remove this coating with gauge.

