

Specifications Data

Material	.003" thick matte anodized aluminum
Serialization	All alphanumeric DataMatrix codes are photo imaged with a human-readable equivalent. Guaranteed no skips in sequence. Standard symbology is 2D DataMatrix ECC200, which includes the full set of ASCII characters. DataMatrix is a highly redundant bar code and is still readable if up to 60% of the bar code is destroyed.
Label Copy	The label copy may include bar code and human-readable equivalent.
Colors	Choose black copy with silver background or silver copy with black background.
Standard Adhesive	Pressure-sensitive acrylic adhesive
Sizes	10mm x 10mm
Packaging	Shipped 100 per sheet. Cartons are clearly marked to indicate serial numbers of contents. Pressure-sensitive adhesive orders are shipped with application tool and instructions.
Shipment	10 business days

Chemical Testing

Chemical Test Data

Characteristics	Test conditions	Effect
Water/humidity		no effect
Salt spray	5% at 35°C, 700 hours	no effect
Ammonium hydroxide	2 hours at 1% and 5%	Slight dulling of image, affects overall readability
Ethyl alcohol		no effect
Ethyl acetate	24 hours	no effect
Ferric Chloride	10%, 16 hours	no effect
Heptane	72 hours	no effect
Hydrocarbon fluid		no effect
JP-4 Fuel		no effect
Kerosene		no effect
Methyl Ethyl Ketone		no effect
Nitric acid	1%, 40 hours	no effect
Phosphoric acid	1%, 40 hours	no effect
Skydrol		no effect
Sodium hydroxide		Affects overall readability
Sulfuric acid	10%, 24 hours	no effect
Turbine and jet fuel (MIL-L 5161C)	(MIL-L 5161C)	no effect
Tetra Sodium Pyrophosphate	1%, 40 hours	no effect
Trisodium Phosphate		no effect

Destructive Testing

A label with an intensified image was tested in a weatherometer, 20 years equivalent; reduced overall readability after these thresholds

Temperature Testing

A label with an intensified image was tested for 265 hours at 260°C, 90 hours at 315°C, 60 hours at 370°C; reduced overall readability after these thresholds

Abrasion Testing

A plate with an intensified image was brushed for 7,000 cycles with stiff nylon wheel (C-17) at a 1,000 gm (16 ox.) load; reduced overall readability after these thresholds