Ceramic-on-Stainless Steel Nameplates

Printed using ceramic ink on a thin ceramic layer that is fired and fused to a heat-resistant stainless steel substrate. Withstands moderate to harsh chemical conditions and extremely high temperatures.

Features

Withstands temperatures up to 1000 degrees F intermittently
Resists extreme caustics and acids
Ideal for applications with repeated exposure to saltwater
SLGZ offers additional glaze for image protection

Category

Manufacturing . Asset Tracking . Unique Item Identification (UID) . High Temperature Metal Tags

Specifications Data

Material	Stainless steel substrate with ceramic layer
Serialization	All alphanumeric barcodes are printed with a human-readable equivalent
Label Copy	
Colors	Black only
Standard Adhesive	Holes available for mechanical fasteners
Sizes	Contact Metalcraft for details
Holes	Available for mechanical fasteners
Packaging	
Shipment	Ships 30-40 work days upon receipt of order and proof approval

METAL CRAFT
ID MADE BETTER

2019 Metalcraft, Inc.
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www.idplate.com |
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UNIVERSAL RFID BY METAL CRAFT

Chemical Testing

Chemical Test Data

Properties	SL600	SLGZ600
Hydrochloride (10%, 20 degrees C)	No effect after 50 hours	No effect after 50 hours
Hydrochloride (5%, 70 degrees C)	No effect after 3 hours	No effect after 2 hours
Nitric Acid (60%, 20 degrees C)	No effect after 20 days	No effect after 293 days
Nitric Acid (60%, 70 degrees C)	No effect after 1 hour	No effect after 24 hours
Sulfuric Acid (5%, 70 degrees C)	No effect after 5 hours	No effect after 6 hours
Sulfuric Acid (98%, 80 degrees C)	No effect after 5 hours	No effect after 40 days
Phosphoric Acid (85%, 70 degrees C)	No effect after 1 hour	No effect after 7 days
Sodium Hydroxide (5%, 720 degrees C)	No effect after 16 hours	No effect after 14 days
Solvent	No effect	No effect

Destructive Testing

These tests were conducted for a limited period of time in strict laboratory conditions. In order to achieve maximum satisfaction we highly recommend that any customer considering use of this product test the labels in the environment in which they will be use.

Destructive Test Data

Weather Resistance Test

Conditions	Temperature	Humidity	Time
5% salt water spray	35 degrees +/- 1 degree C	Over 95%	2 hours
Dry hot air	60 degrees +/- 2 degrees C	--	4 hours
Wetting	50 degrees +/- 2 degrees C	Over 95%	2 hours

Temperature Testing

Temperature Test Data

Read Range Testing

Read Range Test Data

Barcode Readibility Testing

Barcode Readability Test Data

Abrasion Testing

Abrasion Test Data

Label Adhesion Testing

Label Adhesion Test Data

Pull Testing

Pull Test Data

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