

Technical Data Sheet

Clarion Material Code T

Primary Use

The Clarion T material is manufactured using anodized natural aluminum with text and images dyed and sealed. It is primarily used for product safety labeling placed in a high temperature environment but is suitable for a variety of applications where a high temperature application is a requirement. Such applications include but are not limited to rating plates, property ID and asset labeling, warning, instruction, service labels and nameplates for durable goods. The use of the 3M high temperature acrylic adhesive provides a strong bond and has exceptional degree of humidity, chemical, and solvent resistance.

Base Materials

.005 anodized aluminum

Adhesive Backing

3M .002 Premium High Temperature Acrylic

Standard Sizes

Standard label sizes available as well as almost any custom size

Outdoor Durability

Excellent

Water Resistance

Excellent

Chemical Resistance

Excellent

Storage Stability

Stable. Optimum storage conditions: 72°F @ 50% relative humidity

Temperature Resistance

Rated -40°F to 450°F (continuous or frequent exposure to temperatures in excess of 200°F may result in color fade and yellowing.)

Installation Temperature

50°F or higher

Specification Compliance

Clarion standard safety colors meet *ANSI Z535.1-2022 Standard for Safety Colors requirements*. (Exact colors may vary slightly due to the anodized aluminum substrate)

EXAMPLE



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Regulatory Compliance

- **EU RoHS Compliant** (EU Directive 2015/863/EU)
Yes
- **China RoHS Compliant** (Does not exceed MCV in SJ/T 11364-2014)
Yes
- **EU REACH Compliant** (Per the SVHC Candidate list effective June, 2023)
Yes
- **CA Proposition 65 Compliant**
Yes
- **Conflict Minerals:** Clarion Safety Systems confirms, based on reasonable information from our component suppliers, that none of the minerals defined by the SEC as “conflict minerals” are intentionally added to our label components.
Yes
- **Country of Origin:** USA

Expected Life

Indoor: Long term

Outdoor: 5-7 years (expected outdoor life may vary due to climatic conditions)

Shelf Life:

This material will retain its performance and properties for forty-eight (48) months (4 years) from date of manufacture if properly stored at room temperature conditions of 72°F (22°C) and 50% relative humidity. (All Clarion safety labels are shipped in high quality 4 mil. zip-locked sealed bags for improved storage.)

Product Information

This technical product information is based upon information provided to Clarion by its suppliers of the raw materials we use to manufacture our products. As such Clarion makes no independent representations or warranties, expressed or implied, and assumes no liability in connection with the use of this information.

Warranty

Clarion products are sold with the understanding that the buyers will test them in actual use and determine for themselves whether or not the materials meet their intended use requirements. Clarion warrants to the buyers that its products are free from defects in material and workmanship, but limits its obligation under this warranty to replacement of the product shown to Clarion's satisfaction to have been defective at the time Clarion sold it. This warranty does not extend to any persons obtaining the product from buyers. This warranty is in lieu of any other warranty, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and of any other obligations or liability on Clarion's part. Under no circumstances will Clarion be liable for any loss, damage, expense, or consequential damages of any kind arising in connection with the use, or inability to use, Clarion's products.

