

Étiquettes céramiques

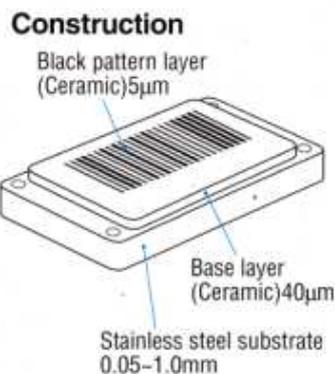
Destinées aux applications hautes températures, les étiquettes **Ceralabel** acier + céramique, ou céramique pure, permettent une identification par code à barres ou code 2D, efficace en températures extrêmes (de +500°C jusqu'à +1400°C).

Fabriquées sur mesure, avec des traitements selon les gammes de température envisagées et les agressions chimiques extérieures, elles offrent une résistance exceptionnelle aux environnements les plus agressifs.

CERALABEL SLxxx (Fired Label)

Les codes à barres sont imprimés sur une couche de céramique qui est ensuite fusionnée sur le substrat en acier inoxydable. Il offre une excellente résistance aux chocs en plus de la résistance à la chaleur, et aux agressions chimiques.

Le support métal peut être percé pour la fixation.



CERALABEL SL600

Max. temperature
600°C (1100F)

Uses

- HDD production
- Pharmaceutical production
- Machining center tool management
- Warehouse pallette management
- Semiconductor curing
- LCD glass washing

CERALABEL SL800

Max. temperature
800°C (1470F)

Uses

- Steel heat treatment
- Electronic component heat treatment

CERALABEL SL1000

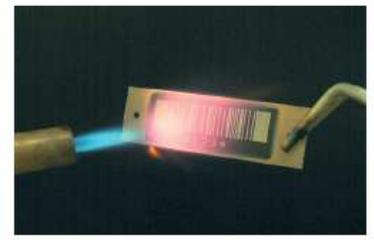
Max. temperature
1000°C (1800F)

Uses

- Ceramic heat treatment
- Automotive parts heat treatment
- Rare metal heat treatment

INFO EXPRESS



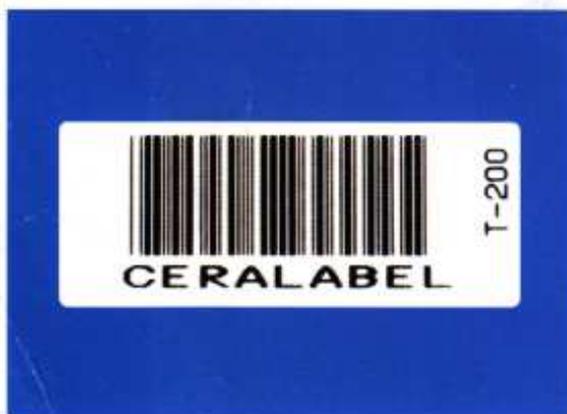


CERALABEL xxx (Fired Label)

Ces étiquettes céramiques sont conçues à partir d'un substrat en céramique sur lequel est fusionné un code-barres ou 2D imprimé en encre céramique.

Cela leur confère une résistance extrême aux Hautes Températures et aux agressions chimiques.

La fixation devra être adaptée sur la pièce à identifier, pour recevoir l'étiquette céramique.



Construction

Black pattern layer
(Ceramic) 20µm



Alumina substrate
0.6-1.0mm

CERALABEL 100

Max. temperature
800°C (1470F)

Uses

- Semiconductor curing
- Chemical washing for lenses and liquid crystal glass
- Customer management for saunas

CERALABEL 200

Max. temperature
1100°C (2000F)

Uses

- LVD/CD master management
- Wafer carrier management
- Steel heat treatment
- LCD panel management

CERALABEL 300

Max. temperature
1400°C (2550F)

Uses

- Ceramic baking
- Heat resistant tile
- Metal heat treatment

INFO EXPRESS

CERALABEL TF

This label embeds the ceramic label in fluororesin. It withstands also harsh chemicals except metallic Na. This label is a wise choice with chemical washes where contamination from labels is not permitted.

Uses Management of wafer carriers in hydrogen fluoride cleaning processes, lens manufacture management.



Aluminum Label

This barcode label encloses the pattern inside a strong oxide layer by anodization. It results durable enough to survive for more than 10 years of outdoor use.

Uses Management label for outdoor equipment.



Etched Label (patent pending)

This barcode label has the etched pattern into a stainless steel substrate. It withstands highly concentrated alkalis under high temperature.

Uses Alkali treatment for tempered glass, alkali washing for food containers, etc.

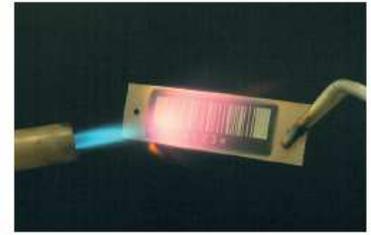


Slit Label (patent pending)

This label has the pattern formed as slits in materials such as metal or plastic. It withstands high concentrated alkalis, thermal shocks and can be used in painting processes.

Uses Autoclaving for cement products, cementation for automotive parts, machine parts painting process.





CERALABEL GREEN (unfired Label)

Ce type d'étiquettes céramique peut être imprimé par une imprimante transfert thermique. Les étiquettes acquièrent leurs hautes propriétés de résistance après avoir fusionnées thermiquement sur du verre, du métal, de la céramique, etc...

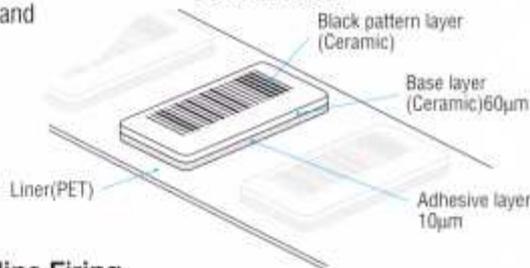


Uses

- Firing management for CRT, automobile window glass, porcelain, pottery, ceramic products, etc.
- ID marking for glass lens molds, beakers, test tubes, stainless steel tools, steel pallets, etc.

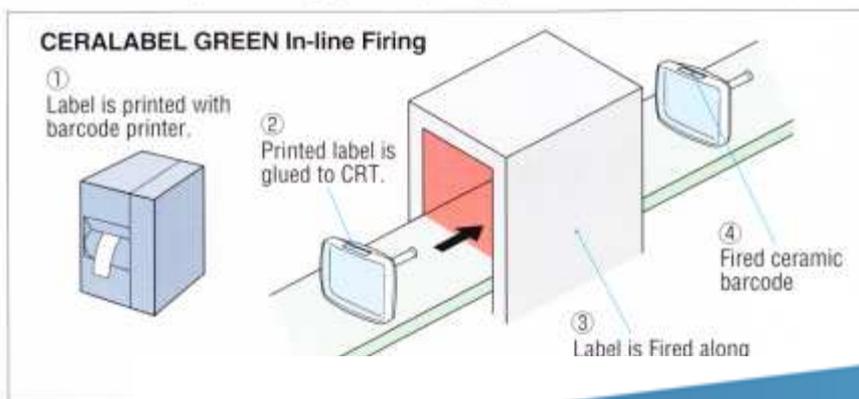
Any sort of pattern can be printed with a thermal transfer printer and ceramic ribbon.

Construction



CERALABEL GREEN In-line Firing

CERALABEL GREEN is glued to the base material at room temperature and then fused as temperature is raised to the specified level in the following 15 to 30 minutes. GL is also available in a quick heating type and special type for use in reduction atmospheres.



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