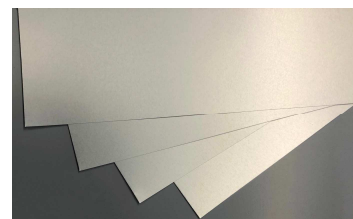


— Holders Technology —

Lubricated Drill Entry Material C'Entry-LE



Product Description

C'Entry-LE is an entry material especially developed for drilling micro-size holes ("microvias") in printed circuit boards manufactured with High-TG laminates. Increasing proportions of PCB designs now require microvias, which can no longer be drilled to a high standard using conventional Aluminium entry materials. This has led to the development of C'Entry-LE which has enhanced properties to allow efficient manufacture of this type of board.

C'Entry-LE is a lubricated Aluminium entry sheet with a transparent-milky lubricated top side and a hard shiny exit side. This design improves drilling accuracy and results in less drill breakage. The lubrication also reduces nail heading in a high layer multilayer PCB.

Features

- Improved positional accuracy and reduced drill breakage offered by lubrication on the entry side
- Improved hole accuracy offered by the Aluminium on the exit side which acts as a guidance for the drill bit
- Enhanced drill life
- Reduced nail heading for high layer count multilayer boards
- Reduced burrs

Technical Data

Thickness:	100 µm
Coating:	40 µm, ± 4 µm
Warpage:	< 1 % of edge length
Thickness Tolerance:	± 10 %

Availability

Cut to size panels, tooled or un-tooled.

Size tolerance, standard:	± 1.50 mm
Cut burr-free, 90°:	± 0.50°
Shape tolerance:	± 0.05 mm
Hole pitch tolerance:	± 0.50 mm

Other constructions and non-standard dimensions are available on request. Custom sized panels will be shipped with or without tooled holes in all quantities within several working days.

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Handling

C'Entry-LE can be stored and used under normal conditions like Holders' other Cim-Alu Entry Boards. A room temperature of 18-25 °C and a relative humidity of 55-65 % are recommended.

Quality Control

The production of C'Entry-LE meets DIN/ISO 9000 standards with tight tolerances far tighter than usual DIN standards

General safety information

- Only use the product for applications described in the product data sheet
- The product is intended for industrial use only
- The product is not suitable for food industry
- The product must not be eaten
- In case of fire noxious fumes or smoke can be generated

Danger

- Dust generation, do not inhale dust, comply general dust limit value
- Be aware of sharp edges and corners
- Aluminium dust can lead to self-ignition

Protection methods

Dust extraction or dust protection mask

Extinguishing agent

Foam, powder, CO₂

Environment

- Comply with limit value for respirable dust
- Dispose of waste safely