

CIMDRILL FA-20, FA-40 and FA-80

Version: A1

Drill- and Routing Entry

Product Description

CIMDRILL® FA is recommended as an entry material for drilling printed circuit boards with fine and micro holes and as a cover material for routing printed circuit boards. CIMDRILL FA is manufactured on advanced equipment according to tight technical and ecological specifications.

CIMDRILL FA consists of layers of kraft paper that have been impregnated with chemically bounded phenolic resin. The symmetric construction allows best drill guide, excellent burr reduction and easy handling all in one.

The hard surface of CIMDRILL FA attains quick and accurate drill centering, especially for fine and micro drills. CIMDRILL FA has excellent cutting properties and generates a fine, non-adhesive dust which can easily be removed through the drill flutes.

CIMDRILL FA can also be used as cover material for routing printed circuit boards. The stiff but flexible material offers best protection against pressure marks and superior cutting properties with almost every quality routing tool.

Technical Properties

- > To be used as drill entry as well as routing cover material
- > Excellent drill bit centering and drill guidance
- > Very good suppression of burr
- > Excellent machinability and fine, non-adhesive drill dust
- > No abrasive additives
- > Symmetric multilayer compound
- > May be cut on guillotine or saws

| Technical Data | |
|------------------------------------------|--------------------------------------------------------|
| Thickness FA-20, medium brown, speckled: | 0.2 mm ± 10 % |
| Thickness FA-40, medium brown, speckled | 0.4 mm ± 10 % |
| Thickness FA-80, medium brown, speckled | 0.8 mm ± 10 % |
| Structure | 3-layer compound |
| Sizes | 1.070 mm x 1.225 mm ± 2 mm 925 mm x 1.225 mm ± 2 mm |
| Packing | 500 sheets/pallet |

Economical Properties

- > Easy handling due to symmetric structure, no preferred direction to be considered while stacking
- > Less set-up time due to possibility of combined use as drill entry and routing cover material
- > CIMDRILL FA cleans the cutting edges of the tools and keeps them sharp for a longer time. The drill dust can easily pass the flutes. In total, there's less drill heat generated which subsequently keeps the carbide in a more stable temperature area.
- > The excellent drill centering and drill guidance increases productivity especially while drilling fine and micro holes.

Quality Control

CIMDRILL FA undergoes a permanent quality control. Shades of colour are due to processing and do not have any influence on the material characteristics or properties of CIMDRILL FA.

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Disclaimer: The information and data contained in this technical literature is based on data and knowledge correct at the time of publishing/printing and is believed to be accurate and is offered in good faith for the benefit of the user. The user should make his own tests to verify the suitability of this product for any application before its use. All data are typical values only and subject to change without notice.

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Waste Disposal

CIMDRILL FA can be disposed by burning, providing heat energy, in compliance with local regulations.

Storage

CIMDRILL FA is hydrophilic at the cutting edges and therefore should remain in the original moisture-proof packing until use. Rapid changes of temperature and moisture must be avoided. Warpage due to moisture is largely irreversible.

Sizes

Our new high performance computer controlled sawing centre enables us to supply our customers with panels cut to size very quickly. Panels can also be supplied with registration holes.

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 with general dust limit value TRGS 553

Do not inhale fumes or smoke created during processing or by fire.

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

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