

# CIMDRILL MPM

Version: A1

## Drill- and Routing Entry

### Product Description

CIMDRILL® MPM is recommended as an entry sheet for drilling printed circuit boards with fine and micro holes and as a cover sheet for routing printed circuit boards. It is also recommended as entry board for drilling and routing softer materials and laminates such as Polyimide and PTFE.

CIMDRILL MPM is made of natural compounds, is poor of phenolic resin and is manufactured on advanced equipment according to tight technical and ecological specifications.

CIMDRILL MPM is coated on both sides with a hard but very thin cured urea/melamine resin paper on a phenolic core. The symmetric construction allows best drill guide, excellent reduction of burr and easy handling all in one.

The hard but thin surface ensures - in conjunction with the soft core - a quick and accurate drill centring, especially for fine and micro drills. CIMDRILL MPM has excellent cutting properties and while drilling generates a fine, non adhesive dust which can easily be removed through the drill flutes.

CIMDRILL MPM can also be used as cover sheet for routing printed circuit boards. The stiff though 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 sheet
- > Excellent drill bit centring and drill guidance
- > Very good suppression of burr
- > Excellent machinability, fine, non adhesive drill dust
- > Contains no abrasive additives

- > Free of FHC, formaldehyde and hydrophobic additives
- > Symmetric 3-layer compound
- > Cuttable on guillotine shears and saws

Technical Data	
Thickness MPM-30	0.30 mm ± 10 %
Thickness MPM-45	0.45 mm ± 10 %
Thickness MPM-80	0.80 mm ± 10 %
Thickness MPM-150	1.50 mm ± 10 %
Hardness	> 80 Shore D
Density	approx. 1.2 g/cm <sup>3</sup>
Structure	3-layer compound
Sizes	930 mm x 1235 mm ± 2 mm 1080 mm x 1235 mm ± 2 mm
Packing	500 sheets/pallet
Colour	white, matte

### Economical Advantages

- > 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 sheet
- > CIMDRILL MPM 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 is less drill heat generated which subsequently keeps the carbide in a more stable temperature area.
- > The excellent drill centring and drill guidance increases productivity especially while drilling fine and micro holes.

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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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### Quality Control

CIMDRILL MPM 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 MPM.

### Waste Disposal

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

### Storage

CIMDRILL MPM is hydrophilic at the cutting edges and therefore should remain in the original moisture proof packing until use. Warpage due to moisture is hardly reversible.

### Sizes

Our new high performance computer controlled sawing centre enables us to supply our customers with panels cut to size on short notice. Panels can 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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