

# Drill Back-up Board

## METOBACK<sup>®</sup> MB-25



### Product Description

METOBACK<sup>®</sup> MB 25 is a drilling back-up board made of a high density pine based wood fibre board, manufactured on modern flat press lines.

METOBACK<sup>®</sup> MB-25 is made without any add ons of oak- or beech-wood as dust of such woods may cause lung cancer when breathed in.

With the dry flat press manufacturing needed glues fulfil E1 rules and are free of additional formaline or phenolic resin.

METOBACK<sup>®</sup> MB-25 back-up boards are especially suited for use in drilling and routing of high value circuit-boards and multilayers.

### Technical Advantages

- Back-up boards manufactured specially for drilling purpose; produced on a flat press from perfectly clean wood fibres without the addition of phenolic resin
- Excellent flatness and thickness tolerance
- Minimum burr and tool wear due to high density and flatness of the material surface
- Homogeneous high density core guarantees excellent chipping and good cleaning of the drill
- Suitable for all drill diameters
- No hole contamination resulting from phenolic particles or resin smear
- Constant high quality due to tight production tolerances; production and quality control according to DIN EN ISO 9001
- Reduced drill wear:  
The wood fibres, being clear of resin and sand, clean the cutting edges of the drill and thus keep them sharp longer. The drill debris can be easily removed through the drill flutes which reduces the danger of drill breakage. The lower friction keeps the drill within a lower temperature range.

### Technical Data

Thickness:	2.5 ± 0.15 mm
Density:	> 830 kg/m <sup>3</sup>
Surface Hardness:	> 70 Shore
Flexural strength:	> 50 N/mm <sup>2</sup>
Warpage:	< 2 mm/m edge length

### Economical Advantages

- Usable on both sides without quality loss
- Excellent price/quality ratio
- Reduced rework cost:  
Deburring can be eliminated or reduced due to excellent drill burr minimisation. The consistently high METOBACK<sup>®</sup> MB-25 quality improves production yield.

### Ecological Data

METOBACK<sup>®</sup> MB-25 is non-toxic to mammals, fish and bacteria and does not endanger waters.

### Disposal

METOBACK<sup>®</sup> MB-25 is free of phenol, formaldehyde or other impregnations. It can be burned, thus providing heat energy. Local laws to be obeyed. METOBACK<sup>®</sup> MB-25 is biodegradable.

**EU waste code:** 03 01 03

### Quality-Control

METOBACK<sup>®</sup> MB-25 back-up boards are manufactured according to DIN/ISO 9001.

### Storage

METOBACK<sup>®</sup> MB-25 should remain in its original packing until use. It should be stored under similar temperature and humidity conditions that prevail in the production area later. Rapid climate change will result in moisture fall out and subsequent warpage.

Best storage at 20 - 22 °C / < 50% rH.

### Sizes

Standard sizes: 1070 x 1160, 930 x 1230, 1070 x 1230 and 1230 x 2150 mm, pallets of 300 sheets.

### Precut blancs

Panels can be cut to size and punched acc. customer's drawings.

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