

Routing Back-up Board

METOTOOL[®] MT-8, MT-10 and MT-12



General description

METOTOOL[®] MT are stable routing back-up boards with multilayer build-up. They are exclusively manufactured for ASMETEC on sophisticated PLC-controlled equipment under tight technical and ecological specifications.

METOTOOL[®] MT routing back-up boards are made of a special mixture of quick growing conifers which are decomposed into fibres and perfectly cleaned in a sophisticated manufacturing process. Having passed through a high-pressure flat press, the wood fibre boards remain in a climate controlled conditioning chamber for a specified time in order to achieve excellent flatness.

METOTOOL[®] MT routing back-up boards offer the circuit board industry a number of features and advantages in comparison with conventional MDF-boards or phenolic boards.

Technical Advantages

- Specially designed for the routing process, made of de-resined conifer fibres in high-pressure flat presses
- Excellent flatness, thickness and tightest tolerances
- Flat, dense and very thin surface coating reduces routing burr and tool wear
- Homogenous, high density core provides excellent chipping properties and reduces drill breakage
- Suitable for all routing diameters
- To be used for routing and drilling single-sided/double-sided, multilayer etc.
- Constantly high quality due to tight production tolerances far below DIN limits; production and quality control according to DIN EN ISO 9001

Technical Data

Thickness MT-8:	8 ± 0.2 mm
Thickness MT-10:	10 ± 0.2 mm
Thickness MT-12:	12 ± 0.2 mm
Density:	> 950 kg/m ³
Surface hardness:	> 85 Shore
Tensile strength:	> 100 N/mm ²
Warpage:	< 2 mm/m edge length
Bending (ALPI):	< 3 mm after 24 h

Economical Advantages

- Very good price/performance ratio
- Less tool wear:
The homogenous core of METOTOOL[®] MT does not contain abrasive glues. The well cleaned wood-fibres keep the cutting edges of the router bits clean. Debris can easily pass the flutes thus reducing router breakage. Overall reduced heat of drilling keeps the carbide of tools in more stable conditions.
- The constant high quality of METOTOOL[®] MT reduces loss in production.

Environmental Protection

METOTOOL[®] MT is non-toxic to mammals, fish, bacteria and does not endanger water.

Disposal

METOTOOL[®] MT routing back-up boards are free of phenolic resin, formaldehyde and other impregnations. They can be burned thus providing heat energy. METOTOOL[®] MT is biodegradable.

Quality Control

METOTOOL[®] MT is manufactured according to DIN EN ISO specifications. They undergo permanent quality controls at ASMETEC.

Packing

METOTOOL[®] MT is wrapped in a moisture-proof packing on recyclable one-way pallets entirely made of wood. Panels cut to size are packed to facilitate handling.

Storage

METOTOOL[®] MT should remain in its original packing until use. It should be stored under the same temperature and humidity conditions that surround the working area. Rapid change of these conditions will cause moisture fall out and subsequently warpage. METOTOOL[®] MT will not age if stored correctly.

Sizes

Our new high performance computer controlled sawing centre enables us to supply our customers with panels or large sheets within no time. Panels can be supplied with registration holes.