

Drilling Materials

Product Summary



Back-up Boards

METOBACK back-up boards are completely free of phenolic resin or formaldehyde additives. Only conifers are used to manufacture these boards. They are free of carcinogenic oak- or beech fibres and free of bark and ashes.

METODRILL MEL-25 / MC-25

2.5 mm thick; very flat and smooth surface with a white coating (MEL-25) resp. light brown (MC-25) on both sides to meet highest demands for drilling quality, recommended for drilling ML

METODRILL ML-25

2.5 mm thick; very flat and smooth surface with a white UV cured ink to harden the surface, recommended for drilling ML

METODRILL MD-24

2,4 mm thick; very flat and smooth surface with a white, fine grinded melamine paper coated on both sides, ultra high density core to meet highest demands for drilling quality and flatness

METOBACK MB-25

2.5 mm thick bare HDF board, fine-ground surface; usable on both sides; excellent flatness; very economically priced

METOBACK HD-25

Drill back-up boards of latest technology, extra high density, 2,5 mm thick, core specially treated to reduce absorption of moisture. Extra hardened surface for lowest exit burrs with uncoated back-up boards

Drill entry boards

METOTOP Alu 3003-Series

METOTOP entry boards made of special milled extra hard aluminium alloy for best possible drill centering available in thicknesses from 0,18 mm to 0,30 mm in various master sheet sizes and panels cut to size and punched.

Micro-Entry-Boards

METOTOP Centry-20

Alu-Epoxypaper-Alu-compound 0,20 mm thick for micro hole drilling below 0,4 mm

METOTOP LE-812

Alu-compound with lubricating agent, 0,15 mm thick, designed for micro hole drilling below 0,3 mm .

Drilling/Routing Materials

METODRILL FD-40 and FD-80

3-layer composite material; 0.40 and 0.80 mm thick; free of phenolic resin; for combined use as drill entry board and routing cover sheet, especially for aramide

METOTOP MPM-30 and MPM-45

3-layer composite material; 0,30 or 0.45 mm thick; designed for drilling and routing of sensitive, soft materials like polyimide or PTFE

METOTOOL MT-8, MT-10 and MT-12

HDF multilayer routing back-up board; thickness 8.0, 10.0 and 12.0 mm; coated both sides for excellent burr elimination; high material strength and stability; very good flatness and cutting properties

METODRILL PH-Series

Drilling back-up and entry boards based on fully cured phenolic craft paper laminates, recommended for special drilling- and routing applications

Test Fixtures

METOTOOL AG-20, AG-30, AG-40, AG-50

Cast acrylic clear glass sheets with tightest tolerances; thickness from 2.0 to 5.0 mm from stock, others on request; excellent cutting properties; protection cover on both sides

Services

Cutting Service

All drill materials can be cut to size to customers demands meeting tightest tolerances. The panels are packed and wrapped in polyethylene to protect them against dust and moisture, to facilitate handling.

Punching Service

Quick and precise routing of registration holes is carried out on proprietary PLC-controlled routing equipment to meet any customer demands.

Optimised drilling feeds and speeds

Asmetec offers an easy to use MS-Excel-based tool for calculation of drilling speeds and feeds. Free of charge for registered customers.

The above statements are based on our present knowledge. Our statements should not be interpreted as a guarantee of characteristics. The use of our products by our customers is subject to different conditions, therefore none of our customers are relieved of the responsibility of testing our products by themselves. A liability for consequential damage will not be accepted in any case. For damage resulting from the use of this information we can only be held responsible if there is evidence of malice or negligence on our part. This data-sheet replaces any previous data sheets.

ASMETEC and METO are registered trade marks of ASMETEC GmbH.

drilling-summary-E.doc, version Mai-09