CIMDRILL BU-25

Version: A1

Drill Back-up Board

Product Description

CIMDRILL® BU-25 back-up board is manufactured using a proven mixture of quickly growing conifers. Resin and sand is efficiently removed from the wood fibres, which are subsequently cleaned using advanced and efficient processing technology. Having passed through a high-pressure flat press, the wood fibre boards remain for a certain period in a climate controlled conditioning chamber.

CIMDRILL BU-25 back-up boards are especially suited for use in drilling and routing of high value circuitboards and multilayers. Being a pure natural product, they provide not only technical but also ecological advantages compared to chip boards or phenolic paper.

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/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 ± 0.2 mm
Density:	> 830 kg/m^3
Surface Hardness:	> 65 Shore
Flexural strength:	> 30 N/mm^2
Warpage:	< 7 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 CIMWOOD BU-25 quality improves production yield.

Ecological Data

CIMDRILL BU-25 is non-toxic to mammals, fish and bacteria and does not endanger waters.

Disposal

CIMDRILL BU-25 is free of phenol, formaldehyde or other impregnations. It can be burned, thus providing heat energy. Local laws to be obeyed. CIMDRILL BU-25 is biodegradable.

Quality-Control

CIMDRILL BU-25 back-up boards are manufactured according to DIN/ISO 9001.

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Drill Entry Board

Packing

CIMDRILL BU-25 is wrapped in a moisture-proof packing on recyclable one-way pallets entirely made of wood. The panels are packed to facilitate handling.

Storage

CIMDRILL BU-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.

Panels

Our new high performance computer controlled sawing centre enables us to supply our customers with panels within short notice. 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, CO^2

Environment

Comply with limit value for respirable dust
Dispose of waste safely