

Drill Back-up Board CIMWOOD Superdrill SD-25-C



General Description

CIMWOOD® Superdrill SD-25-C is a back-up board designed to meet stringent requirements for circuit board drilling. It is manufactured on sophisticated PLC-controlled equipment.

CIMWOOD Superdrill SD-25-C is made of a proven mixture of quickly growing conifers which, in a complicated process, are decomposed into fibres and then resin, sand and other impurities are removed before the material goes into a high-pressure flat press. The result is perfectly flat sheets. As a last step it is painted on both sides with a melamine resin

CIMWOOD Superdrill SD-25-C is recommended for drilling of high-tech printed circuit boards, multilayers and flex-rigid boards. Being a natural product CIMWOOD Superdrill SD-25-C offers a number of technical and ecological advantages over conventional MDF or phenolic boards.

Features

- Homogeneous, high density core provides excellent chipping and cleaning properties
- Less drill wear due to special conifer wood fibres from which the resin was removed; the resin free wood fibres clean the cutting edges of the drill bit and keep them sharp longer; the reduced friction of the drill keeps the carbide in a more stable temperature range
- Reduction of the danger of drill breakage because the resin free debris will not stick to the flutes and therefore can easily be sucked off
- Diminution of drill burr due to a smooth, hard and very thin overlay resulting in lower cost for rework of boards
- Easy visual drill check due to white surface
- Excellent flatness and tight thickness and dimensional tolerances
- Suitable for all drill diameters
- Usable on both sides without loss of quality because of symmetrical build-up due to production of the material on a flat press

Technical Data

Thickness:	2.5 -0.1/+0.2 mm
Density:	> 860 kg/m ³
Surface hardness:	> 75 shore
Bending strength:	> 45 N/mm ²
Warpage:	1.5 mm/m edge length
Residual moisture	4-8%

Environmental Protection

CIMWOOD Superdrill SD-25-C is non-toxic to mammals, fish and bacteria and does not endanger water (German classification WGK 0).

Formaldehyde emission according to DIN 13986 Class: E1

Disposal

CIMWOOD Superdrill SD-25-C is free of phenolic resin and other impregnations. It may be burned thus providing heat energy. Local laws to be obeyed. CIMWOOD Superdrill SD-25-C is biodegradable.

Quality Control

The consistently high quality of CIMWOOD Superdrill SD-25-C is guaranteed by tightest production tolerances far below DIN-limits in conjunction with permanent production controls corresponding to ISO-9001.

Packing

CIMWOOD Superdrill SD-25-C is wrapped in a moisture protective packing on recyclable one-way wooden pallets.

Storage

CIMWOOD Superdrill SD-25-C 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 resulting in subsequent warp

Best storage at 20 - 22°C / < 50% rH

Sizes

Our new high performance computer controlled sawing centre enables us to supply our customers with panels or large sheets at short notice. Panels can be supplied with registration holes.

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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.

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
- Comply with limit value for respirable dust
- Dispose of waste safely

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