

# CIMBLOC, SH-6 and SH-8

Version: A1

## Routing Back-up Board

### Product Description

CIMBLOC SH are stable routing back-up boards based on a fully cured phenol multilayer build-up with melamine covered surface.

CIMBLOC SH routing back-up boards are recommended for routing high precision PCB, Multilayers and Flex.

The very dense core does not absorb water, remains flat and allows multiple pinning of registration pins.

Because of its excellent thickness tolerance CIMBLOC SH is best for accurate routing to depth.

CIMBLOC SH routing back-up boards offer the circuit board industry a number of features and advantages.

### Technical Advantages

- > Specially designed for the routing process, 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/ISO-9001

Technical Data	
Technical Data	0.30 mm ± 10 %
Thickness SH-6:	6 ± 5 %
Thickness SH-8:	8 ± 5 %
Density:	> 1400 kg/m <sup>3</sup>
Tensile Strength:	7.000 MPa
Bending Strength:	> 150 N/mm <sup>2</sup>
Moisture Absorption:	8%

### Economical Advantages

- > Very good price/performance ratio
- > Less tool wear  
The homogenous core of CIMBLOC SH does not contain abrasive glues. 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 CIMBLOC SH reduces loss in production.

### Environmental Protection

CIMBLOC SH is non-toxic to mammals, fish, bacteria and does not endanger water.

### Disposal

CIMBLOC SH routing back-up boards can be burned thus providing heat energy in accordance to local regulations.

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Disclaimer: The information and data contained in this technical literature is based on data and knowledge correct at the time of publishing/printing and is believed to be accurate and is offered in good faith for the benefit of the user. The user should make his own tests to verify the suitability of this product for any application before its use. All data are typical values only and subject to change without notice.

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### Quality Control

CIMBLOC SH is manufactured according to DIN/ISO specifications. They undergo permanent quality controls at VENTEC.

### Packing

CIMBLOC SH 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

CIMBLOC SH 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. CIMBLOC SH 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.

### 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<sub>2</sub>

### Environment

Comply with limit value for respirable dust  
Dispose of waste safely

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