

## Back Up Board HDM



### Description

Alltech HDM is a birch & oak free, sanded, melamine coated, high density Back Up Board, that is made for the use of drilling high TG multilayers and/or micro via's. It allows increased stack highs and reduces exit burrs due to high density core and melamine coating. The main difference in production is the pressing process. The use of special resins and binders, as well as coating in a continuous process at low pressure and reduced temperature reduces internal stress, being beneficial to flatness. Alltech HDM offers very good drill properties, an excellent price/performance ratio and meets nowadays technical and economic requirements.

### Technical Data

| Physical Property     | Reported Units    | Typical Values |
|-----------------------|-------------------|----------------|
| Thickness             | mm                | 2.6 ± 0.15     |
| Size Tolerance        | mm                | ± 2.0          |
| Squareness            | mm/m              | ≤ 2.0          |
| Straightness          | mm/m              | ≤ 2.0          |
| Warpage               | mm/m              | ≤ 5.0          |
| Density               | kg/m <sup>3</sup> | 960± 15        |
| Surface Hardness      | HD                | 80 ± 5         |
| Surface               | Color             | White, matte   |
| Internal Bond         | MPa               | ≥1.8           |
| Modulus of Elasticity | %                 | ≥4000          |
| Moisture Content      | %                 | 4~8            |



### Surface

Alltech HDM is available in white, matte.

### Form of Delivery / Tooling

Alltech HDM is available in sheets, panels, tooled or un-tooled according to customer demand.

### Quality

CCI and supplier are certified according to ISO:9001.

### Storage

Storage should be in unopened original packaging. Storage conditions should be stable respecting to air moisture and temperature at production area. Opened packages must not be exposed to air condition, open doors or fresh air.

### Environment / Disposal

Alltech HDM is FSC compliant, hazard-free and non-toxic. Disposal of wastes can take place by consumer according to local environmental and disposal regulations.

### 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.