



## Technical Data Sheet

**1. Series** Aluminum Surface PCB Drilling Backup Board

**2. Type** AL7521

**3. Application** PCB drilling backup board specifically designed for high-end precision circuit boards.

**4. Composition** Wood fiberboard with a unique eco-friendly thermally pressed aluminum composite lubricant surface.

### 5. Special Features

5.1 Manufactured using thermal pressing technology, featuring extreme low surface roughness and high coating hardness.

5.2 Aluminum coating has a high thermal conductivity coefficient, ensuring excellent heat dissipation and ultra-high positioning accuracy, and epic burr prevention effect.

5.3 Lubricant coating has a low friction coefficient, effectively reducing drill bit wear, and provides heat absorption and cooling effects for the drill bits.

5.4 High-end technology, unique craftsmanship, advanced equipment, and stable, reliable product quality.

**6. Thickness** 2.1 mm

**7. Tolerance**  $\pm 0.1$  mm

**8. Standard Size** 37"  $\times$  49"; 41"  $\times$  49"; 43"  $\times$  49";  
special size on requirement. Customized cutting and pre-drilled holes are available;

**9. Size Tolerance**  $\pm 3.0$  mm

**10. Warpage**  $< 0.5\%$  of diagonal

**11. Hardness** Shore-D  $\geq 75$  (90%)



12. **Product Appearance**      Grey Surface, no dent or any other defect;
13. **Fiber Board Type**      Ultra-High Density    $>950\text{KG/M}^3$
14. **Guarantee period**   1 year
15. **Packaging**      Protect moisture proof packing from damage, otherwise goods  
will absorb moisture and have deformation.
16. **Storage Condition**      Products should be stored in a place of low humidity,  
proper storage conditions: temperature under  $25^{\circ}\text{C}$ ,  
relative humidity 40-65%.
17. **Unpacking**      Do not open moisture proof packing in advance and exposure  
products. Only remove moisture proof packing until using time.
18. **Remainder Protection**      Packing unused products immediately with moisture  
proof packing and protecting cover to protect from  
absorbing moisture.

Rizhao Norco New Material Technology Co., Ltd.

Date of 01 Dec 2024