



TECHNICAL DATA SHEET

1. PRODUCT DESCRIPTION

Innotech WPC Panel is an engineered material made from a blend of natural wood fibers and thermoplastic polymers, combined with performance additives. It offers the natural appearance of wood with enhanced durability, moisture resistance, and low maintenance.

2. APPLICATIONS

- Ceiling
- Interior Wall cladding
- Interior furniture
- Partitions and Dividers

3. MATERIAL COMPOSITION

COMPONENT	CONTENT
Wood Fibers , %	55-65
Thermoplastic Polymer, %	25-35
Additives, , %	5-10

4. PHYSIAL PROPERTIES

PROPERTY	VALUE
Density, g/cm ³	1.20-1.35
Water Absorption (24h), %	≤ 1.5
Thickness swelling (24h), %	≤ 0.5
Moisture content, %	≤ 2

5. MECHANICAL PROPERTIES

PROPERTY	VALUE
Flexural Modulus, MPa	2500-4000
Tensile Strength, MPa	10-20
Impact Resistance, KJ/m ²	3-6

6. THERMAL PROPERTIES

PROPERTY	VALUE
Service Temperature range	-20°C to +60°C
Linear Thermal Expansion	3.5 x10 ⁻⁵ / °C
Heat Deflection Temperature	≥ 70°C

7. WEATHER DURABILITY

- Resistant to rot, mold and insects
- UV- stabilized for outdoor application
- No cracking, splintering or warping under normal use

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Unit A16 J.King Warehouse Complex
Km.3 Maa Road, Davao City 8000
Telefax #: (082) 244-1206 ; 302-2711



8. INSTALLATION AND MAINTENANCE

- i. Install using recommended fasteners
- ii. Allow expansion gaps
- iii. Clean with water and mild detergent

9. STORAGE HANDLING

- a. Store on flat surfaces
- b. Avoid prolonged direct sunlight before installation
- c. Do not stack unevenly

Disclaimer:

The information provided in this Technical Data Sheet represents general value and is intended for guidance purposes only. Actual performance may vary depending on formulation, processing, and installation conditions. This document does not constitute a warranty. ©26

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