

GENERAL DESCRIPTION

WPC (Wood Plastic Composite) is a composition that replicates wood without the maintenance and risks associated with traditional wood patios. Made from up to 65% wood fibers, recycled HDPE, and additives.

PHYSICAL DATA	REQUIREMENTS	TEST RESULT
Hardness	>58HRR	61HRR
Moisture Content	<2%	0.35%
Modulus of Rupture	>20 Mpa	40Mpa
Modulus of Elasticity	>1800 Mpa	3818Mpa
Thickness Swelling	>1%	0.4%
Size Change - Calefaction	±2.5%	-0.10%
Resistance to Wear	<0.08g/100r	0.077g/100r
Size Chane H/L Temp	±0.2%	-0.10%
Scre holding capability	>1000N	2780N

Standard – GB/T 24508-2009 WPC

Resistance to freeze Thaw	>80%	92%
Bending Load	>2500N	3258N

IMPORTANT INSTALLATION NOTES

Color and Surface Variations: Slight differences in color and texture may occur due to variations in raw materials or surface treatment. These variations do not affect the product's quality or durability. Decking products may experience fading of up to 5% of their original color during the first 12 months of sun exposure. This fading is normal and does not compromise the quality or durability of the product.

Acclimatization: It is recommended to place the decking components at the installation site for 72 hours prior to beginning installation to allow them to acclimate. Decking should not be installed at temperatures below 0°C (32°F).

Expansion: Variations in temperature and moisture absorption will cause expansion (approximately 0.3% to 0.5%). Ensure sufficient expansion gaps between deck sections. A solid, compacted base such as concrete is recommended for installation. WPC (Wood Plastic Composite) products are not suitable for enclosed, humid areas without ventilation or environments with significant temperature changes (e.g., a sauna).

Warranty: The 20-year warranty is limited to the replacement of boards showing excessive dimensional variations, such as swelling or cracking caused by weather conditions. The warranty does not cover damage caused by improper installation, misuse, or negligence. In the event of a defect or issue covered by the warranty, we commit to replacing the defective product with a new product on a 1-for-1 ratio. The defective product must be returned to our warehouse for inspection and exchange.

DECKING MAINTENANCE AND CARE

Immediate Care After Installation: Right after installation, rinse the deck with water. You may use a pressure washer (max 80 bar, spray at a constant distance of 400 mm, and do not use a rotating nozzle). It is vital to remove all dust from the surface to significantly reduce water and dust spots (see Material Properties).

Preventative Measures: * We recommend washing the deck twice a year (spring and autumn) with water. Use a stiff brush (scrub gently in the longitudinal direction) followed by a full rinse with clean water (a pressure washer can also be used).

- Keep the gaps between boards clean to ensure proper water drainage. Remove dust, leaves, needles, and other debris.
- Avoid the formation of grime, scratches, and stains. Grease and oil stains should be removed as soon as possible.
- Avoid contact with direct flames and protect from embers. For fire pits or grills, we recommend installing a non-flammable surface underneath.

Table 1 – Cleaning Common Dirt and Stains for NATURO-DECK

Type of Dirt	Cause	Cleaning Method
Normal Dirt	Dust, airborne ash, mold, pollen, etc.	Use common household cleaners (or specialized WPC cleaners) with a scrub brush or pressure washer, then rinse.
Colored Stains	Red wine, fruit juice concentrates, soft drinks, etc.	Immediately rinse with fresh water, then brush longitudinally and rinse again.
Grease Stains	Oils, fats, sunscreen, grilled food, etc.	Rinse immediately with clean water, then use a degreaser (soap or specialized WPC product) with a scrub brush or pressure washer. Remaining traces usually disappear within weeks due to UV light and rain.
Resistant Stains	Mold, fungi, moss, leaves, and other organic materials.	Use chlorine-based cleaners. Rinse the deck before applying. Let the cleaner sit, then rinse thoroughly. Always follow the manufacturer's precautions.
Water & Dust Spots	Slow evaporation trapping dust or pollen on the surface (common under patio furniture or eaves).	Rinse with clean water and use common household cleaners. Brush longitudinally and rinse again. Clean regularly to prevent yellowing.
Surface Yellowing	Natural wood component aging.	A natural aging process after exposure to sun and water. The yellow tint disappears over time. Frequent rinsing can accelerate this process.
Surface Scratches	Moving furniture, stones, etc.	Clean with a scrub brush longitudinally and rinse. For visible scratches, use very fine sandpaper (for GROOVE) or a Scotch-Brite pad to gently buff in the longitudinal direction.
Burn Marks	Grill embers, cigarettes.	Clean the surface with a scrub brush longitudinally and rinse with fresh water.