



QINGDAO SANHUAN COLORCHEM CO., LTD.

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TECHNICAL DATA SHEET

HANJOIN® TRADITIONAL WPC DECKING

Material specification

Test Items	Results	Test reference	Test Org.
Density	1290kg/m ³	EN15534-1:2014	Intertek
Moisture content	0.16%	EN15534-1:2014	Intertek
Linear thermal expansion	40.1*10 ⁻⁶ K ⁻¹	EN15534-1:2014	Intertek
BRINELL Hardness	77	EN 15534-1: 2014	Intertek
Slip Classification	C	DIN 51097: 1992	Intertek
Heat build-up	-0.7°C (30°C) ; -3.8°C (50°C) ; -3.4°C (80°C)	EN 15534-1: 2014	Intertek
Fire Resistance	Flame propagation: 29/31mm Critical radiant heat flux: 4.7/4.9kw/m ²	EN ISO 572-2 EN ISO 9239-1	Intertek
Impact resistance	PASS	EN 15534-1: 2014	Intertek
Tensile property	MOR: 21.91MPa; MOE: 5054MPa; Elongation: 0.35%	EN ISO 572-2	Intertek
Flexual property	Bending rupture load: 3540N 500N : 1.63mm	EN 15534-1: 2014	Intertek
Boiling	L: 0.14% W: 0.29% T: 1.61% Q: 1.95%	EN 15534-1: 2014	Intertek
Heat recovery	L: 0.06% W: 0.03% Q: 0.11%	EN 15534-1: 2014	Intertek
Punching	Nail: 70N/mm ² Staple: 24N/mm ²	EN 15534-1: 2014	Intertek



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Water absorption (28 days)	L: 0.09% W: 0.32% T: 3.05% Q: 5.05%	EN 15534-1: 2014	Intertek
Freeze-thaw Resistance	Fmax: 3.39%	EN 15534-1: 2014	Intertek
Fungi Classification	0 grad	ISO16869-2008	Intertek
Color fastness	720h 4grad (depend on the product color)	ISO4892-2-2013	SGS
OIT TEST	>35min	ASTM D3895-07	SGS
Formaldehyde	Pass	EN717-1:2004	SGS
TeCP and PCP	ND	ZEK 01.4-08	SGS
Phthalate	ND	BS EN15777:2009	SGS
PAHs	PASS	GS2014:01 PAK	BV
Cadmium	ND	US EPA 3050B/3051/305 2	BV
SVHC	PASS	REACH(EC)1907/2 006	BV

*The data is based on the test for 150H21-B

Maximun Joist Span and Deck Loading(for Commercial)		
DECKING	JOIST SPAN	LOADING
145*30mm	300mm	250kg
145*21mm	250mm	200kg

Maximun Joist Span and Deck Loading(for Residential)		
DECKING	JOIST SPAN	LOADING
145*30mm	400mm	250kg
145*21mm	300mm	120kg

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