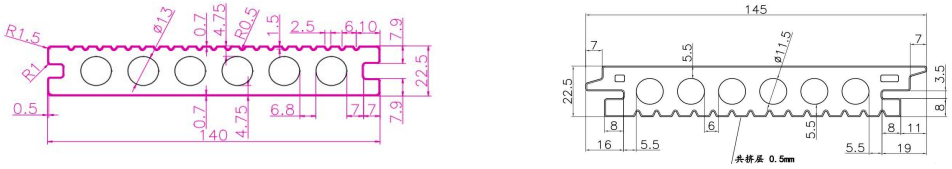
Product Technique Data Sheet

General Information	
Product Description:	WPC Decking-GJ30&GJ47
Materials:	Core material - 60% wood powder, 30% grade A recycling high density plastic, 10% additives
Size	140x22.5mm OR 145X22.5mm
KG/M	2.91
Product Photo	
Test Standard:	EN15534

Product properties		Standard Requested	Test result	Remark
Deflection under a load of 500 N		≤2.5mm	0.77 ± 0.021 N	
Boiling test		≤9%	4.38 ± 0.02 %	EN15534 -1:2014,8.3.3
Slipperiness		36	46 ± 3	tested by using the "Portable Skid Resistence Tester SRT 5800"
Creep behaviour		Δ s≤13mm	6.4 ± 0.1mm	EN15534 -1:2014,7.4.1
		Sr≤5mm	5.1 ± 0.1mm	
Moisture resistance under cyclic test condition		≤ 30%	7.6 ± 0.4mm	Data collected from 8 specimens, distance between supports 300 mm
Linear thermal expansion coefficient		≤ 5 x 10 -5 [K- 1]	3.2 x 10 -5 [K-1]	400mm long specimen
Resistance to artificial weathering		-	E* =3/ΔL*=2.6/ Δ a* =0.2/Δ b* =-0.5	300 h weathering
swelling and water absorption		≤9%	3.35 ± 0.10 %	28 days in total immersion into water
Flexural Properties (300mm)	Bending Strength	-F' max: Mean ≥ 3300 N Min ≥ 3000 N	25.3 Mpa	EN 15534 -1: 2014 Annex A EN 15534 -4: 2014 Section 4.5.2
	Modulus of Elasticity		3061 Mpa	
	Maximum Load		Mean: 4179 N Min: 3813 N	
	Deflection (500N)		Mean: 1.8 Max : 2.1	
Impact Resistance	Falling Mass Impact	-	Max Residual Indentation (mm): 0.2mm	EN 15534- 1:2014 Section 7. 1.2. 1
	Charpy Impact Strength		Mean value:7.5KJ/m2	ISO 179- 1:2010