



Decking system

Introduction:

Decking systems supplied by Unicomposite Technology including decking with various dimensions and types. They are mainly designed by fiberglass and polyester resin with pultruded process. Meanwhile, special requirements including fire retardant, UV resistant, color can be flexible chosen.

Application:

Unicomposite Decking systems are the solutions subject to corrosion, rapid deterioration and constant maintenance problems. These FRP Deck products ideal for a wide range of applications:

Flooring

Stairs and Platforms

Ramps and Walkways






Bridges

Equipment Covers

Tank Covers

Trench Covers

Specification

Name	Dimension (mm)			Weight	Sample
	Width	Height	Thickness	Kg/m	
Open Decking 305	305	47	6.5	7.75	
Open Decking 547	547	28	5-10	11.25	
Hollow Decking 305	305	18	2	3.15	
Hollow Decking 581	581	28	3-4	10.05	
Hollow Decking 581 Pro	581	28	4.5-10	13.85	

Technical data

The deflection was tested under point load.

The decking was supported by two points each side, a centralized force was applied on the center.

Span (M)	Type	Deflection(mm) / Concentrated Load(Kg)									
		250	500	750	1000	1250	1500	1750	2000	2500	3000
0.3	Open Decking 305	0	0	1	1	2	3	5	8	8	9
	Open Decking 547	0	0	1	1	2	3	4	6	9	10
	Hollow Decking 305	1	2	3	4	5	X				
	Hollow Decking 581	0	1	2	3	4	4	5	5	6	7
	Hollow Decking 581 Pro	0	0	1	2	2	2	4	4.5	5.5	6.5
0.6	Open Decking 305	0	1	1	2	3	4	6	7	9	10
	Open Decking 547	0	0.5	1	3	4	4	5	6	9	10
	Hollow Decking 305	3	11	X							
	Hollow Decking 581	0	2	4	5	6	6	6	8	9	X
	Hollow Decking 581 Pro	0	2	3	3	4	5	6	7	8	9
0.9	Open Decking 305	2	4	5	7	9	12	13	14	16	20
	Open Decking 547	1	4	7	9	13	15	18	22	26	33
	Hollow Decking 305	13	29	X							
	Hollow Decking 581	2	5	9	11	14	17	20	22	X	
	Hollow Decking 581 Pro	2	5	6	8	11	14	16	18	22	26
1.2	Open Decking 305	5	8	11	14	17	20	23	25	31	37
	Open Decking 547	7	13	18	23	28	34	40	45	57	70
	Hollow Decking 305	32	X								
	Hollow Decking 581	6	11	17	25	29	34	41	47	X	
	Hollow Decking 581 Pro	5	12	17	22	27	28	36	41	52	X