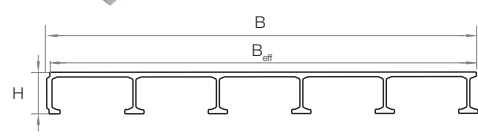
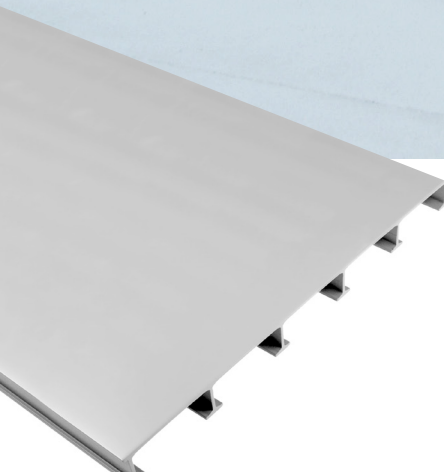




CREATE MORE WITH LESS®



Fiberline Plank MD

The Fiberline Plank MD is designed for smaller bridges with medium loads and offers an excellent price-performance ratio.

Like other Fiberline planks the MD is low weight, easy to handle and to machine on site. Furthermore, the composite plank guarantees low maintenance and zero corrosion.

Profile

H	B	B _{eff}	A	I _x	Weight	E ₀₀
mm	mm	mm	mm ²	x 10 ⁶ mm ⁴	g/m	x 10 ³ MPa
40	505	500	3.650	0,7	6.570	23

Anti-skid Surface

Fiberline Composites supply its deck elements with an optional standard anti-skid surface, but most types of surfacings will adhere very well to the polyester surface of all Fiberline Composites A/S' decking systems.

The anti-skid surface from Fiberline Composites has been tested according to DIN 51130 and achieved level R13 with grain size 1-2 mm and has an slip resistance of 78,2 according to EN 13036-4 in dry conditions.

Colours (RAL)

- White (9010)
- Grey(7035)
- Anthracite (7016)
- Mahogany (8016)
- Black (9005)
- Olive green (6022)

Other RAL colours are possible but with 15% extra cost on the total paint price.

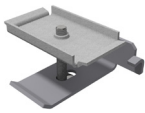
See certification and norms on our homepage:

<https://fiberline.com/certification-and-norms>

Fittings and accessories



X : Marks the mounting position for standard Fiberline fittings



MD Clamp
For underneath assembly of plank MD
With M8x60 mm bolt.

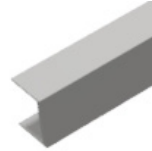


Baseplate washer
Baseplate \varnothing 30 mm washer for top mounting of MD planks.
 \varnothing 21,5 mm hole.
With M8x60 mm bolt, incl. nut and DIN 433 washer.

Item number: 148731



MD Clip
For underneath assembly of plank MD
With M8x60 mm bolt, incl. nut and DIN 433 washer.



Edge U-profile
U profile for finishing edges of HD and MD planks.
Dimensions U35x45x2.5/4 mm

Item number: 090145



Coupling Clip
For joining bottom flanges of HD and MD planks.
With Allen screw.

Item number: 148839

All metal parts are stainless steel AISI 316

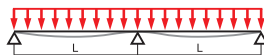
Load bearing capacity



One span, uniform distributed load

(included reduction factors γ_{M1} , A_2 and A_3)

Span L [m]	Load capacity per meter width		
	Deflection L/200 [kN/m ²] around z-axis	Deflection L/300 [kN/m ²] around z-axis	Failure [kN/m ²] around z-axis
0.25	325.63*	276.03	325.63
0.50	75.79	50.53	162.81
0.75	24.57	16.38	83.43
1.00	10.72	7.15	46.93
1.25	5.58	3.72	30.03
1.50	3.25	2.17	20.86
1.75	2.06	1.37	15.32
2.00	1.39	0.92	11.73
2.25	0.98	0.65	9.27
2.50	0.71	0.47	7.51



Two spans, uniform distributed load

(included reduction factors γ_{M1} , A_2 and A_3)

Span L [m]	Load capacity per meter width		
	Deflection L/200 [kN/m ²] around z-axis	Deflection L/300 [kN/m ²] around z-axis	Failure [kN/m ²] around z-axis
0.25	260.5*	260.5*	260.50
0.50	130.25*	99.73	130.25
0.75	53.39	35.59	83.43
1.00	24.26	16.17	46.93
1.25	12.88	8.59	30.03
1.50	7.61	5.07	20.86
1.75	4.85	3.23	15.32
2.00	3.28	2.18	11.73
2.25	2.31	1.54	9.27
2.50	1.69	1.13	7.51



Three spans, uniform distributed load

(included reduction factors γ_{M1} , A_2 and A_3)

Span L [m]	Load capacity per meter width		
	Deflection L/200 [kN/m ²] around z-axis	Deflection L/300 [kN/m ²] around z-axis	Failure [kN/m ²] around z-axis
0.25	271.36*	271.36*	271.36
0.50	126.03	84.02	135.68
0.75	43.57	29.05	90.45
1.00	19.52	13.01	58.66
1.25	10.29	6.86	37.54
1.50	6.05	4.03	26.07
1.75	3.85	2.57	19.15
2.00	2.60	1.73	14.67
2.25	1.83	1.22	11.59
2.50	1.34	0.89	9.39

* The load bearing capacity at failure determines the dimension.

Find more information about our profiles on our homepage: <https://fiberline.com/download-area-structural-profiles>