Technical data sheet

1. Product name	Savadeck Natur fence
2. Type of construction product	WPC fence panel
3. Brand name	Savadeck
4. Manufacturer	Savadeck Mont d.o.o., Belgrade, Serbia
5. Tested by	Innovation Center of TMF, Belgrade
6. Declared properties	Product characteristics were tested according to standard EN 15534-1:2014+A1

	Characteristics	**Method**	**Units**	**Values**
I	Dimensions	EN 15534-1	mm	1790× 150× 18
II	Density	EN ISO 1183-1	g/cm^3	1.37
III	Linear mass	EN 15534-4; EN 15534-1	kg/m	2.179
IV	Breaking resistance (span 400mm)		N	≥2623
V	Flexural strength (span 350mm)		MPa	≥19.7
VI	Flexural modulus (span 350mm)		MPa	≥3130
VII	Impact resistance (m=1kg, d=50mm h=700mm)	EN15534-4	-	No damage(0/10), notch (≤1mm)
VIII	Bending		mm	1.53
IX	Resistance of upper wall to local pressure (Ø16 mm)	Internal method	kg/cm^2	81
X	5 hours in boiling water	EN 15534-4; EN 15534-1	-	-
X/1	Length Increase		%	0.1
X/2	Width Increase		%	0.12
X/3	Mass Increase		%	1.37
XI	28 days in cold water	EN 15534-4; EN 15534-4	-	-
XI/1	Length Increase		%	0.13
XI/2	Width Increase		%	0.18
XI/3	Mass Increase		%	1.52
XII	Linear thermal expansion	ISO 11359-2	-	47.8x10-6
XII1	Length Increase		K^{-1}	0.01
XII2	Width Increase		K^{-1}	0
XIII	Fire resistance class	EN 13501-1	Class	Class D -S1
XIV	Fungal resistance	ISO 16869	-	Resistant
XV	Saltwater resistance	EN ISO 9227	-	No change after 10 days
XVI	Termite resistance	EN 117	-	Resistant
XVII	Grey Scale	EN15534-1:2014	Grade (Scale)	2 – Teak, Terracotta, Cream 3 – Black, Patina, Chocolate
XVIII	Maximum substructure spacing	Internal specification	mm	≤300