TECHNICAL SHEET Rev. 1.8

GENERAL INFORMATIONS	
Standard Colours	**Wood - Copper Brown - Dark Grey - White**
Composition of WPC Average Values	• **2/3 Wood Flour** • **1/3 High Density Polyethylene (PEHD)** • **Additives (Anti-slip, Anti-mildew, fire-retardant, etc.).**
Production Technology	**Hot Extrusion**

TECHNICAL DATA			
MECHANICAL PROPERTY	**VALUE**	**UNITS**	**TEST METHOD**
Density	**1200**	kg/m3	**EN ISO 1183-1**: Plastics - procedure for determining the density of non-foaming plastics.
Flexural Strength Average value	**25**	Mpa	**EN ISO 178:2003:** Plastics - procedure for the determination of the resistance to bending of plastic non-foaming.
Modulus of Elasticity Average value	**2500**	Mpa	**EN ISO 178:2003:** Plastics - procedure for the determination of the resistance to bending of plastic non-foaming.
Tensile Strength Average value	**5**	Mpa	**EN ISO 527:1996:** Plastics - procedure for the determination of the tensile strength.
Modulus of Elasticity Average value of tensile	**3000**	Mpa	**EN ISO 527:1996:** Plastics - procedure for the determination of the tensile strength.
Hardness (BRINELL)	**68**	**N/mm2**	**EN 1534:2002** : Parquet and other types of coatings Determination of resistance to pressure (Brinell)
Coefficient of Expansion on Length Staves	**0,04**	**mm/m/°C**	**DIN 53752** (GERMAN LAW) - The procedure for the calculation of linear expansion of plastic materials
Classification Slip Shod feet	**R11**		**DIN 51130** (GERMAN LAW): slipperiness of pavings in function of the angle of sliding
Classification Slip Barefoot	**C**		**DIN 51097** (GERMAN LAW): slipperiness of pavings in function of the angle of sliding
Index wetting (24h) un-Brushed surface	**1,2**	**%**	**ASTM DI037 :** Index of water absorption in plastic non-foaming
Index wetting (24h) Brushed surface	**3,5**	**%**	**ASTM DI037 :** Index of water absorption in plastic non-foaming
Class of Reaction to Fire	**C_{FL}- S1**		**UNI EN 13501-1:2009** : Classification of reaction to fire products and building elements
OIT TEST	**52,7 minutes**		**ISO 11357-6: 2008 : OXIDATION INDUCTION TIME** standardized test that measures the level of stabilization of the tested material. The time between melting and the onset of decomposition in isothermal conditions The length is certifiable in approx. 2 years / minute
Allowable Overloads wheelbase current 350 mm	**500**	kg/mq	**NTC 2008**: Building regulations. Schemes of static calculation according to the characteristics of the material.