

## Technical data sheet

### Description

LIGNODUR® is a PVC compound containing wood flour with a wood portion of more than 50 % wood. High-quality stabilizers and pigments prove an excellent weather permanence.

**Material specification: MÖLLER LIGNODUR-terrafina® PVC-WF 56**

Characteristics	Unit	Standards	Measured value
<b>Structure / Dimensions</b>			
Height of floor board	mm	-	21 <sup>-1</sup> <sub>+0</sub>
Width of floor board	mm	-	146 / 150 <sup>+2</sup> <sub>-0</sub>
Delivery lengths	mm	-	4000 / 4500 <sup>+20</sup> <sub>+10</sub> 5000 / 5500 / 6000
Material density	kg/m <sup>3</sup>	EN 323	approx. 1350

Qualities according to the VHI quality label (average)			Measured value	Limit		
Breaking load of a floor board (inside distance between supports of 480 mm), 20 °C, fresh			N	EN 310	3900	≥ 3400
Breaking load of a floor board (inside distance between supports of 480 mm), after aging			N	EN 310	3700	≥ 2720
Deflexion with load of 500 N, inside distance between supports: 480 mm, 20 °C			mm	EN 310	1,7	≤ 1,8
Creep characteristics: deformation with 85 kg for 7 days at 50 °C (inside distance between supports of 480 mm)			mm	EN ISO 899-2	3	≤ 13
Water storage	Absorption of water	5 h, 100 °C	%	EN 317	2,0	≤ 7
Water storage	Length growth	5 h, 100 °C	%	EN 317	0,2	≤ 0,3
Water storage	Width growth	5 h, 100 °C	%	EN 317	0,2	≤ 0,7
Water storage	Thickness growth	5 h, 100 °C	%	EN 317	2,2	≤ 4
Anti skid, wet & dry			Value	EN 13839	0,67 = R12	≥ 0,43
			Value	DIN 51097	28° = C	≥ C
Coefficient of thermal expansion, lengthwise			/ K	ISO 11359 - 2	20,6 x 10 <sup>-6</sup>	-
			mm	l = 4 m, dT = 40 K	3,3	-

Other properties			Measured value			
Shape performance to heat (HDT, 1,8 N/nm <sup>2</sup> )			°C	EN ISO 75	78	
Guaranteed short time load capacity			kg	Lumped load	300	
			kg/m <sup>2</sup>	Area load	1000	
Reaction to fire			graphite	Level	EN 13501-1	E
			other colours	Level	EN 13501-1	B <sub>fl</sub> - s1d0
Durability class				EN 113 EN 350-01	1 = very durable	
Outdoor test, 3 years			x - Value	EN 252 EN 350-01	60	5

Volatile organic materials			Measured value	Limit *1			
Formaldehyde			ppm	RAL - UZ 38	0,015	0,05	
Organic compounds			Boiling point 50 °C - 250 °C	µg/m <sup>3</sup>	RAL - UZ 38	3	600
			Boiling point > 250 °C	µg/m <sup>3</sup>	RAL - UZ 38	2	100
CMR-substances			µg/m <sup>3</sup>	RAL - UZ 38	< 1	< 1	

\*1 of low-polluting materials