

Data Sheet NovaFlex NUO



General information

NovaFlex NUO is made from thin wood veneer sheets which are bonded to a microfiber fabric with a formaldehyde-free adhesive. The composition is as follows, depending on the type of wood and further processing of the material: wood 28-40 %, adhesive 15-22 %, textile 40-50 %. The waterborne and vegan coating is PU based and delivers a soft touch feeling combined with high performance properties.

Technical information

The thickness of the composite material is approximately 0.5-0.7 mm. The maximum possible length is 1500 mm, the maximum possible width is 1250 mm (gross dimension). The weight is 580 ± 40 g/m².

As this is a natural product, the color and texture may vary slightly per production charge/per log and/or per sheet. Small knots and other growth-related characteristics are a sign of the authentic wood surface.

Test	Method	Condition	Scope	Unit	Result***
Tensile strength (microfiber base)	*DIN EN ISO 17706	Longitudinal	/	N/mm	7.5
		Across	/	N/mm	5.5
Elongation (microfiber base)	*DIN EN ISO 17706	Longitudinal	/	%	70.0
		Across	/	%	105.0
Taber abrasion	*ASTM D3884	RT (H22, 1000 g)	100	Cycles	5
Veslic color fastness	*DIN EN ISO 11640	Wet	500	Cycles	≥ 3 (surface)
					≥ 4 (wool felt)
		Dry	2000	Cycles	≥ 3 (surface)
					≥ 4 (wool felt)
Adhesion	**Peeling test	/	/	N/cm	> 7

Validation Scale:

5 = No or almost no damage / change to sample
 4 = Minor to almost no damage to sample
 3 = Slight to noticeable damage to sample
 2 = Noticeable to big damage to sample
 1 = Sample destroyed

* Referring to the specific test method.

** Average calculation of max. force peaks over testing area.

*** Respect the product properties may be influenced by design, color and selected carrier material.

Technical parameters are checked during actual processing and are subject to usual tolerances.

This information does not express or imply any guarantee.

Modifications of product are nature of product and possible without notice.



Contact
 NUO GmbH
 Markus Hauptmann
 mh@nuo-design.com

Contact
 BASF Coatings GmbH
 Fabienne Hoppe
 fabienne.hoppe@basf.com

