

Test Certificate

Product: DPL laminate flooring with glueless system,
dimensions of the panels 1285 x 191 x 7 mm, panels laid on 3 mm thick «Noppafoam».
Test 1: "Clickguard" has been applied to the tongues of the panels
Test 2: "Clickguard" has not been applied to the tongues of the panels

Customer: Clickguard GmbH, Eberhardstraße 60, D-71679 Asperg, Germany

Order: Comparison of the joints' resistance to moisture and ageing in two tests:
with and without "Clickguard".

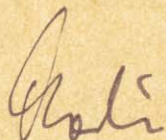
Test methods: Walking simulation according to ihd W 423 (200.000 cycles)
Resistance to the wheels of a castor chair according to DIN EN 425 (100.000 cycles)
Resistance to varying tensile stress according to ihd W 434 (100.000 cycles)
Determination of the swelling of the joints according to ihd W 423

Test report: 161861 dated 7/01/02

Test results:

Test	Joint swelling in mm with / without							
	Unloaded state		Walking simulation (200.000 cycles)		Resistance to the wheels of a castor chair (100.000 cycles)		Resistance to varying tensile stress (100.000 cycles)	
	Length- wise	Widthwise	Lengthwise	Widthwise	Lengthwise	Widthwise	Lengthwise	Widthwise
1	0,01	0,03	0,00	0,00	0,05	0,01	0,03	0,07
2	0,16	0,30	0,31	0,23	0,18	0,12	0,41	0,35

Lengthwise = Lengthwise joint ; Widthwise = Widthwise joint



Head of laboratory




Engineer in charge