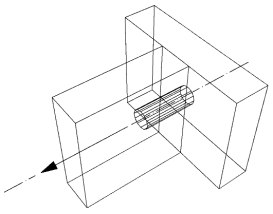
INVIS®

TECHNICAL DATA SHEET

for the use of Invis in furniture, kitchen and exhibition booth building

All tests were performed with standard studs.

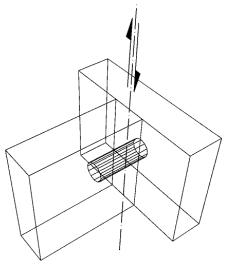
Mean tensile-breaking strength



Material	INVIS 8 mm [4]		INVIS 12 mm [4]	
Chipboard [1]	13 mm	124 lbs	19 mm	198 lbs
MDF [2]	16 mm	221 lbs	19 mm	341 lbs
Blockboard [3]	13 mm	203 lbs	19 mm	358 lbs
Solid pine	13 mm	148 lbs	19 mm	237 lbs
Solid beech	13 mm	460 lbs	19 mm	772 lbs

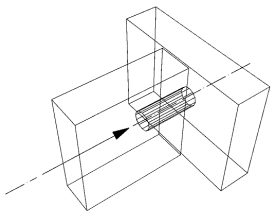
[1] swissSPAN Standard V20, manufacturer: Kronospan AG, Switzerland [2] MDF similar E1, manufacturer: Tavapan SA, Switzerland [3] Blockboard, poplar, board type ST, type IF with triple structure, manufacturer: W. Mende & Co., Germany [4] The threaded stud stripped before the connector

Mean shear-breaking strength



Material	INVIS 8 mm		INVIS 12 mm	
Solid beech	15 mm	619 lbs	22.5 mm	892 lbs
Multiplex beech	16 mm	526 lbs	22.5 mm	922 lbs

Mean tightening force [5]



Material [6]	INVIS 8 mm		INVIS 12 mm	
Plastic (POM)	13 mm	64 lbs	19 mm	184 lbs
Plastic (POM)	16 mm	70 lbs	42 mm	122 lbs

[5] With most of the test samples 70–80% of the mean tightening force was achieved in 5–10 seconds. Up to 40 seconds are necessary to achieve the values shown here. [6] Comparative measurements in solid wood did not produce any significant deviations from the values in POM.

Comments:

- 10 N ("Newton") corresponds to 1 kg (kilogram)
- The data in this data sheet are based on test reports nos. 6684-PB-01 and 6699-PB-01 of the Swiss Timber Industry College, SH-Holz, CH-2504 Biel, prepared by instruction of Lamello AG.
- The above values in N are measured mean breaking values and in no way represent guaranteed minimum or maximum values! Differences can occur depending on the installation accuracy and timber products used.
- The data in this data sheet cannot therefore be used as a basis for static calculations of timber structures with INVIS.

Manufacturer:
INVIS AG, CH-4416 Bubendorf, www.invis.ch
Tel. +41 (0) 61 935 36 36
Fax +41 (0) 61 935 36 06

With the compliments of:

TM 10/01 1 E/USA