

WISA[®]-Trans

WISA-Trans is a multilayer laminated plywood panel with slip resistant pattern. The product is intended for use as flooring in transport industry ie. truck, trailers and railway wagons but also building applications such as warehouse floors and loading platforms. WISA-Trans is an excellent material for technical flooring applications. The special wear resistant coating helps prolong the service life of vehicles.

Base panel

Birch plywood made solely from birch (hardwood) veneers.

Bonding

Phenolic resin cross-bonded weather resistant gluing according to EN 314-2/class 3.

Construction

Special oriented construction. Also standard construction WISA-Trans X available on request.

Surface

Face: Dark brown phenolic resin impregnated multi-layer laminate with hot pressed high-friction pattern.

Reverse: Phenolic moisture barrier imprinted with WISA-Trans label.

Edge protection: Acryl-based paint.

Machining

Edge and face machining by CNC router available upon request

Thicknesses and weights

Nominal thickness (mm)	Number of plies	Thickness (mm)		Weight (kg/m ²)
		Min	Max	
18	13	17.1	18.1	12.2
21	15	20.0	20.9	14.3
22	16	21.3	22.3	15.3
24	17	22.9	23.7	16.3
25	18	24.1	25.1	17.4
27	19	25.2	26.8	18.4
28	20	26.9	27.9	19.4
30	21	28.1	29.9	20.4
31	22	29.6	31.2	21.5
35	25	33.5	36.1	23.8

Moisture content 8-12%



Panel sizes

Standard dimensions:

1200/1220/1250/1500/1525 x 2400/2440/2500/3000/3050 mm

The largest standard size 1525 x 3500 mm

Size tolerances:

< 1000 mm ± 1 mm

1000-2000 mm ± 2 mm

2000-3500 mm ± 3 mm

Squareness tolerance:

± 1 mm / 1000 mm

Properties of panel surface

Face: Taber abrasion value (DIN 53799) 3700 rounds

Rolling test value (SS 923502) 8000 ± 35 % cycles

Improved water resistance through coatings on the face and the reverse.

Strength values

With special oriented construction

Span	Thickness	n	300 mm		400 mm		500 mm	
			P (kg)	d (mm)	P (kg)	d (mm)	P (kg)	d (mm)
18	13	13	1500	7.1	1200	10.7	1000	14.1
21	15	15	2000	6.4	1600	9.4	1300	11.9
22	16	16	2300	6.0	1900	9.2	1700	12.9
24	17	17	2600	5.9	2200	9.0	1900	12.1
25	18	18	2900	5.6	2500	8.7	2100	11.3
27	19	19	3200	5.4	2800	8.4	2400	11.1
28	20	20	3600	5.2	3000	7.7	2700	10.7
30	21	21	3900	5.0	3300	7.5	2900	10.1
31	22	22	4100	4.7	3500	7.0	3100	9.5
35	25	25	5200	4.4	4400	6.4	3900	8.5

n = number of plies

P = ultimate wheel load (no safety factor applied)

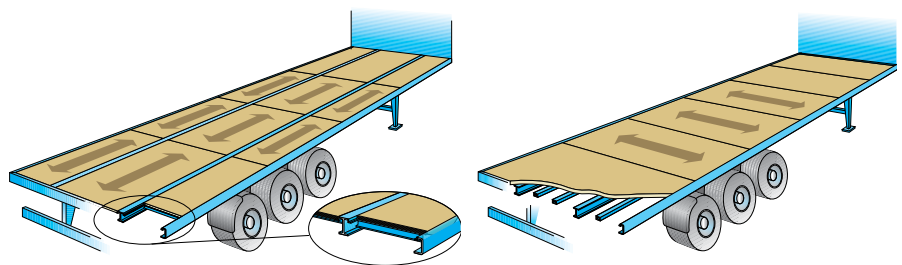
d = deflection with ultimate wheel load

Wheel contact area 80 x 180 mm (ISO 1496).

All panel edges supported single span. Moisture content max 15 %.

For specific loading details please contact your supplier.

Installation



For further information on installation, maintenance, disposal, environmental matters etc. please visit www.wisaplywood.com.

