

# DYAS<sup>®</sup>

QUALITY IN ALL LAYERS SINCE 1930



## DYAS multiplex

is an all-beech plywood board made of many plies of rotary-cut beech veneers glued together with an adhesive. The grains of adjoining layers are at right angles to each other. Beech multiplex characteristic is derived from beech attributes such as great compactness, persistence, durability, flexibility, versatility etc. For beech multiplex, these properties are even enhanced owing to layering and gluing of many individual veneers.

[www.dyas.eu](http://www.dyas.eu)

CE  
Certificate ISO9001  
Certificate PEFC



## DYAS Multiplex

Is a health harmless plywood complying with the E-1 Class of formaldehyde escape according to ČSN EN 717-1. At customer's request for even lower values of formaldehyde escape, we are able to offer variation, where material complies certification CARB phase II, according to ASTM D 6007-14.

Beech multiplex particularity is in the thickness of inner veneer plies, which are 2,2 mm or 2,6 mm thick. This subsequently influences the final multiplex properties. Owing to the bigger content of „massive“ wood in the form of thicker inner veneers and less gluing, Multiplex characteristic is more like the one of solid beech wood.

## Application:

For its excellent compactness properties, beech multiplex finds its use especially in mechanical engineering, building industry, automotive industry and transportation.

## Thickness:

15, 18, 20, 25, 30, 35, 40, 50 mm

## Gluing:

Class of gluing 1 (IF 20) - ČSN EN 314-2 – can be used in interior areas according to ČSN EN 636

Class of gluing 2 (A 100) - ČSN EN 314-2 – can be used in protected exterior areas according to ČSN EN 636

Class of gluing 3 (AW 100) - ČSN EN 314-2 – can be used in unprotected exterior areas according to ČSN EN 636

## Dimensions:

2 200 x 1 250 mm

2 500 x 1 250 mm

2 500 x 1 500 mm

(long grain or cross grain orientation, other dimensions on customer's request)

## Quality:

B/BB, BB/CP

## Sanding:

Basic sanding and calibration with 60 grid sand paper.

## Moisture:

6% to 12% (at the time of delivery)

Thickness	Number of plies	Approximate volume weight	Approximate thickness tolerance	Bending strength (surface veneer grain orientation)	
		(kg/m <sup>3</sup> )	(mm)	lengthwise	crosswise
15	7x	820	+0,5/-0,5	50,0 N/mm <sup>2</sup>	60,0 N/mm <sup>2</sup>
18	9x				
20	9x				
25	13x	820	+0,8/-0,8		
30	15x				
35	16x				
40	17x	820	+1,0/-1,2		
45	19x/21x				
50	25x				