DYAS®

QUALITY IN ALL LAYERS SINCE 1930





DYAS pyroplex

is an all-beech plywood made of many plies of rotary-cut beech veneers, glued together.
All veneers are impregnated in special solution.
This solution works as a fire retardant.
Such a modified plywood features higher fire resistence compared to the standard, non-treated plywood boards.

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CE

Certificate ISO9001
Certificate PEFC

DYAS®



Dyas Pyroplex
Is a health harmless plywood complying with the E-1 Class of formaldehyde escape according to ČSN EN 717-1.

Application:
This special plywood is suitable for areas, where a big stress is given to the protection against fire and smoke. Ideal example of use is the inner facility of public buildings (airports, railway stations, gymnasiums, hotels, hospitals etc. Also use for inner facility of public vehicles (trams, trains and waggons, underground, busses) is an apposite example.

Thickness:
5,5 / 6,5 / 7 / 9 / 10 / 12 / 15 / 19 / 20 / 25/ 30 / 32 / 41 / 44 / 47 / 50 mm
(other thicknesses on customers´ request)

Type:
Beech thoughout – all veneers are beech

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

Dimension:
1 250 x 2 200 mm
1 250 x 2 500 mm
(cross grain orientation – a grain run is parallel to the short side of the board)

Classification according to EN 13501-1: 2003:
Fire behaviour: „B"
Smoke production:: s1
Flaming droplets: d0

Classification according to EN 45545-2:2013
The tested product meets requirements of R1 for safety level HL1 and HL2.

Quality:
BB/CP, CP/CP

Sanding:
is ordinarily sanded with grain 60, which is a basic sanding along with calibration. The surface may be slight discolored due to the fire retardant content

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/m³)	(mm)	lengthwise	crosswise
5,5	5x	880	+0,5/-0,5	60,0 N/mm²	30,0 N/mm²
6,5	5x				
7	5x				
9	7x				
10	7x				
12	9x				
15	9x	840	+0,8/-0,8		
19	13x				
20	15x				
25	17x				
30	21x				
32	23x				
41	29x		+1,0/-1,2		
44	31x				
47	33x				
50	35x				

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