

## Products – Fire-retardant plywood

### FIRE-RETARDANT PLYWOOD

Special type of plywood, produced from impregnated veneers, that conforms to fire class B according to European standard EN 13501-1:2007 + A1:2009.

### GENERAL TECHNICAL DATA

Fire-retardant plywood is a flat sheet, consisting of seven or more layers of impregnated veneers glued together and optionally overlaid with films. Adjacent veneers have mutually perpendicular placement of wood. Multilayer and mutually perpendicular direction of the fibers provide plywood with strength in both directions, shape stability, which is an advantage compared to other wooden materials.

### STANDARD SIZES

1250x2500mm, 2500x1250mm, 1220x2440mm, 2440x1220mm.

Standard thicknesses, mm: 12; 15; 18; 21; 24; 27; 30; 35; 40.

Nominal thickness, mm	Number of layers	Mean thickness, mm	Min thickness, mm	Max thickness, mm
12	9	12,0	11,5	12,5
15	11	15,0	14,3	15,3
18	13	17,8	17,1	18,1
21	15	20,6	20,0	21,0
24	17	23,4	22,9	24,0
27	19	26,4	25,2	27,0
30	21	29,2	28,1	30,0
35	25	34,2	33,5	35,5
40	29	39,7	38,8	41,2

Size tolerances comply with the standard EN 315. Limit deviation in length and width is  $\pm 3,5$ mm. Cut-to-size plywood is available on request.

### TYPES OF THE SURFACE

Raw or filmfaced with surfaces “smooth”, “meshwire” or “Hexa”.

### GRADES OF FIRE-RETARDANT PLYWOOD

BB/BB, BB/CP, BB/C, CP/CP, CP/C, C/C.

### GLUING

Plywood is glued with phenol-formaldehyde or carbamide-formaldehyde resins and meets the demands of the standards EN 13986 and EN 314-2.

Class of formaldehyde emission – E1.

Physical and mechanical properties meet the requirements of EN 13986.

### ADVANTAGES

Fire-retardant plywood is durable, but light material, which can be easily processed, has high wear resistance and is water proof. Can be use outside and is resistant to chemicals and ultraviolet.

Wide range of grades, colours and types of the surface will satisfy any demand of the customer.