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VERITAS**



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ICILA-COC-000381

ODEK Fire-retardant plywood

ODEK fire-retardant plywood (ODEK FR) is special type of plywood, produced of impregnated in fire-retardant chemicals birch and/or alder veneers, glued with phenol-formaldehyde resins.

Tests of ODEK fire-retardant plywood according to EN 13501-1:2007+A1:2009 have concluded the following:

The product in relation with fire behaviour is classified to class: **B**

The additional classification in relation with smoke production is: **s1**

The additional classification in relation with burning droplets/particles is: **d0**

Product is classified in reaction to fire performance class as: B-s1,d0

FR plywood can be used as material for: ceilings, walls, buildings, auto-, wagon- construction. ODEK FR plywood is not recommended to be used in decorative purposes.

Plywood surface allows gluing of sliced veneers, HPL and other overlays.

However, fire class B-s1,d0 is only guaranteed to the base panels, not to the overlaid ones.

Gluing of FR plywood meets the standard EN 636-3: for use in internal or external conditions.

Formaldehyde emission meets the requirements of standard EN 717 Part 2 class E1.

The overall panels' dimensions: 1250x2500, 1220x2440 mm or smaller upon request.

Grades of ODEK fire-retardant plywood: BB/BB, BB/CP, CP/CP, BB/C, CP/C and C/C.

Optionally ODEK fire-retardant plywood can be offered with FSC 100% certificate.

ODEK FR plywood characteristics:

Lay-up	Nominal thickness, mm	Number of layers	Mean thickness, mm	Min. thickness, mm	Max. thickness, mm
- - - - - -	12	9	12,2	11,7	12,8
- - - - - - -	15	10	14,8	14,3	15,3
- - - - - - - -	16	11	15,8	15,3	16,3
- - - - - - - -	18	12	17,7	17,2	18,3
- - - - - - - - -	19	13	19,0	18,5	19,5
- - - - - - - - - -	21	14	20,9	20,0	20,9
- - - - - - - - - -	24	16	23,6	22,9	24,3
- - - - - - - - - - -	27	18	26,1	25,2	27,0
- - - - - - - - - - - -	30	20	29,0	28,1	30,0
Density	720...820 kg/m ³				
Bonding strenght	Mean share strength not less, than 1,2 N/mm ² (MPa)				
Release of formaldehyde	Class E1 acc. to EN 717-2				
Reaction to fire class	Class B-s1,d0				

Additional characteristics are available in Declaration of Performance at official web-site.