



PlyGuard

Fire-retardant plywood

Application: construction, transport engineering, railway coaches manufacturing, subway cars manufacturing, shipbuilding

PlyGuard is a special brand of fire-retardant plywood. It is a low flammable material, preventing spread of fire on the surface, having a medium smoke-generating capacity and securing a moderate emission of hazardous substance into the air when burning. Physical and mechanical properties of this material make it suitable for Exterior and Interior use in many areas.

All layers of veneer used for PlyGuard production are impregnated with flame retardant. Thus, the product complies with the highest level of fire safety and does not require additional treatment when machined or cut-to-size.

For the projects with more flexible requirements we offer fire-retardant plywood having only face veneers impregnated. This solution has good fireproof properties but the technology of production reduces the cost of the final product. However, the hazardous level of plywood with impregnated face veneers is much higher in comparison with standard plywood.

Standard sizes: 1525x1525; 1220x2440,
2440x1220; 1250x2500; 2500x1250
1525x1830; 1830x1525; 2100x1830;
2300x1830; 2410x1525; 2850x1830;
2950x1525; 2980x1525; 2980x1850;
3050x1525

Standard thicknesses: 4; 6; 8; 9; 10; 12; 15; 16;
18; 19; 20; 21; 22; 24; 25;
28; 30 mm

Experience the quality of PlyGuard!

100% birch plywood or mixed plywood with veneer of other deciduous woods

- ✓ Exceptional strength and stiffness
- ✓ High load-bearing capacity
- ✓ Durability
- ✓ Non-standard thicknesses and sizes
- ✓ Variety of grades: 1/2 (B/BB); 2/2 (BB/BB); 2/3 (BB/CP); 2/4 (BB/C); 3/3 (CP/CP); 3/4 (CP/C); 4/4 (C/C)

- ✓ Compliance with Requirement **R10 of EN 45545-2**
- ✓ Fire classification: **B-S1, d0** according to EN 13501-1:2007 + A1:2009
- ✓ Every veneer layer of plywood panels is impregnated with flame retardant*
- ✓ Panel edges do not require additional treatment with flame retardant after cutting

Weather and boil proof phenol-formaldehyde adhesive (WBP)

- ✓ Excellent bonding properties
 - ✓ Formaldehyde emission levels comply with the requirements of E1, CARB ULEF, EPA TSCA Title VI
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On customer's request, the plywood can be overlaid with protective coating based on resin or HPL. There are over 100 various designs of HPL. It protects the plywood from mechanical damages, UV-light, humidity and changing weather conditions.

Reasons to choose Plyterra:

1. Loyal customers in 56 countries
2. High quality of plywood
3. Manufacturing of tailor-made products
4. Access to individual online account for every customer
5. Openness and desire to meet customers' requests
6. Advanced woodworking equipment
7. On-time delivery

If you have special requirements, we can customize our product for you!



Contact us:

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