



Plyguard Phon

Sound insulation fire-retardant plywood

Application: construction and reconstruction of concert halls, cinemas, entertainment centers; production of rail vehicles, metro trains, buses, trams and sea and river vessels

Plyguard Phon is the brand of sound-insulation 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. Alongside with high-quality birch plywood, the structure of the panel also includes sound absorbing barrier in its central part. There are three types of core available for Plyguard Phon. They are cork, rubber and rubber-cork composite. The core can be chosen by the customer according to his needs: cork makes the boards lighter in comparison with standard plywood, while plywood with a special layer of technical rubber in the middle provides better damping of vibration and protection against noise. Plyguard Phon is compliant with **Requirement R10 of EN 45545-2**

Plyguard Phon with cork

Standard sizes, mm: 2500x1250
2250x1250
1950x1250
1450x1250

Standard thicknesses, mm: 16; 18, 25, 28

Plyguard Phon with ubber

Standard sizes, mm: 1525x1525

Standard thicknesses, mm: 10; 15; 18; 20, 22; 25; 28

Other sizes and thickness are available on request

Experience the quality of Plyguard Phon!

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| PLYWOOD | 100% birch veneer | <ul style="list-style-type: none"> ✓ Every veneer layer of plywood panels is impregnated with flame retardant* ✓ 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) |
| We use only sustainable raw material from responsible sources. | | |
| BONDING | Weather and boil proof phenol-formaldehyde adhesive (WBP) | <ul style="list-style-type: none"> ✓ Excellent bonding properties ✓ Formaldehyde emission levels comply with the requirements of E1, CARB Phase II (0,1-0,2 mg/h x m²), EPA TSCA Title VI |
| SOUND ABSORBING BARRIER | Cork: | <ul style="list-style-type: none"> ✓ Various thicknesses of cork layer ✓ Light weight ✓ Good sound reduction properties (noise insulation, dB ≥32) |
| | Rubber: | <ul style="list-style-type: none"> ✓ Damping of vibration ✓ Various thicknesses of rubber ✓ Protection against noise (noise insulation, dB ≥35) ✓ Possible combination with cork |

Upon the agreement with a customer, the plywood can be overlaid with fire-retardant HPL. There are 100 various designs of HPL.

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!



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