

# perfofire

“ wooden fire acoustic panel ”



- . FIRE PROTECTION
- . ACOUSTIC PERFORMANCE
- . SOUND INSULATION
- . MOISTURE RESISTANCE

**perfopan**<sup>®</sup>

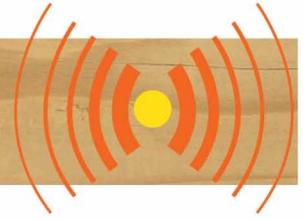
“Wooden acoustic panel”

## WOODEN VENEERED GYPSUM FIBREBOARD



**FIRE**

**WOOD**



**ACOUSTIC**

Since many years wood and wooden products have been used in indoor spaces. Wood is indispensable material used in decoration and acoustic isolation. It creates peaceful ambiance and it's easily processed.

When the wooden materials are under fire they break up easily which increases flammability depending on flame retardance capacity. In many developed countries fire preventive measures and minimum acceptable properties are put forward with special regulations which are applied by architects and engineers for wooden building materials.

With the development in technology, the materials used in new generation buildings are also specified within the new rules and regulations. The higher fire retardant properties of such materials used in new generation buildings are specified within the new Fire Security Rules, especially in crowded areas. As the use of acoustic and decorative panels indoor spaces are increasing the selection of materials depend on their fire retardant properties.

Our brand Perfopan proudly introduces new product **Perfofire**. **Perfofire** is; an esthetic, high flame retardant wooden veneered gypsum fibreboard. All **Perfofire** products are fire and acoustic accredited and certified.

In general, wooden panels are not accessible to fire class **A2-s1-d0**. **Perfofire** series products developed as, gypsum in core which is fire class **A2-s1-d0** covered with wooden veneer and certified **B-s1-d0** in Euroclasses.

- B** Very limited contribution to fire growth
- s1** Insignificantly development of smoke
- d0** Creates no flaming objects or droplets

### Euroclass Fire Classifications

- A1** No contribution to a fire
- A2** No significant contribution to fire growth
- B** Very limited contribution to fire growth
- C** Limited contribution to flashover
- D** Contribution to flashover
- E** Significant contribution to flashover
- F** No performance requirements





Core	Fire Classification EN - Europe	Fire Classification DIN- German	Test Methods	CH2O oscillates	Moisture Expansion Ratio
Mdf	<b>D-s2,d0</b>	D	EN 5-622	E1	0,6 mm
Plywood	<b>D-s2,d0</b>	D	EN 636	-	0,4mm
Chipboard	<b>D-s2,d0</b>	D	EN 312	E1	0,7mm
<b>Perfofire</b>	<b>A2 -s1,d0</b>	A2	EN 13501-1	-	0,2mm

## Technical Specifications

Panel Dimensions : 300-600-1200-1800-2500 mm

Panel Thickness : 13,5 mm

Plain Panel Weight : 15,75 m<sup>2</sup>

Surface options are, natural wooden veneer,laminate, or lacquered painted.

**Perfofire**, have high resistance against to moisture and humidity. Wooden panel exchange reaction is too low.

Panels indicates in the minimum inflation and expansion in humid environments.

## Uses

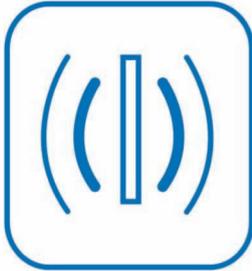
Emergency exit corridors, roof and loft coverings, hotels, schools, hospitals, airports, administration offices, government houses, offices, shopping malls and conference halls and such as buiding which needs high fire resistance .

# perfopan®

“ wooden acoustic panel ”



High Fire Resistance Acoustic Performance



Sound Insulation



Moisture Resistance



Insect Proof



Eco - Friendly



Recycling



ISO9001

ISO 9001

İSUS 1932

RegisterTrademark of ISUS 1932

perfopan . perfofire . microustic

Tel: +90(312) 3512131 , Faks: +90(312) 3512132

Demirciler Sitesi 2. Cad. 1. Sokak No.18 -16 Siteler / ANKARA / TÜRKİYE

www.perfopan.com - info@perfopan.com