FIREWOOD
AESTHETIC FIRE PROTECTION
FROM ARNSTORF TO THE WORLD

Lindner Group is a family-run construction company, manufacturer of construction products and specialist provider of construction services. We produce almost all system products for interior fit-out, building envelope and insulation in our state-of-the-art facilities: floors, ceilings, lights, doors, partitions, facades. Applying highest standards regarding quality, environmental compatibility and innovation, we continue to advance our portfolio to fulfil the wishes of our customers worldwide in the best possible way.

OBJEKTDISEIGN

Lindner AG | Objektdesign specialises in demanding interior design projects: these include hotels and resorts, the fit-out of ships, concert halls, libraries or prestigious government buildings. Lindner assumes full responsibility for the major construction phases – starting with planning through to project management and installation. This also involves the in-house production of project-related solutions for structural interior finishes, including high-quality internal wooden doors and the certified FIREwood and COMP+ product lines.
PANEL
calcium sulphate panel
with real wood veneer

excellent fire protection properties
sound-absorbing due to perforation
considerable design freedom given through freely selectable veneers
extremely robust
23 kg/m² (19 mm)
large formats
up to 1,220 x 2,550 mm
dimensionally stable and rigid
very low levels of swelling and shrinkage

optional: perforation or grooves
real wood veneer
carrier board made of calcium sulphate
Württembergisches Staatstheater Stuttgart, Germany
Photo © Brigida González
FIREwood always unites fire protection requirements with aesthetic aspirations – even where required in corridors or escape routes.

**FIRE PROTECTION IN FOCUS**

*Safe, stable and non-combustible*

The panels with their real wood veneer have a construction material certificate when combined. They can be used as system-independent, decorative wall and ceiling coverings in escape and rescue routes, required stairwells and in places of assembly. These non-combustible panels (A2 in combination as per DIN 4102) are produced in-house. In addition to the non-combustible design, they are also available in a flame retardant version (B-s1, d0 as per DIN EN 13501-1) as an alternative.
ACOUSTICS
Small cause for a major impact

The FIREwood acoustic version of the panel is provided with appropriate perforations or grooves to offer an outstanding impact on room acoustics.

The perforation pattern depends on the required sound absorption coefficient, the panel’s format and the attachment method. The building-specific design is planned in-house by specialists. This ensures that the artistic, structural and constructional requirements are ideally coordinated.
Various perforations ensure excellent room acoustics.
LOOK
Simply versatile for individual aspirations

The customer is entirely free to choose a veneer from all natural woods. A wide variety of joining techniques – hung, planked or edged – enables a high degree of artistic freedom.
FIREwood panels can be attached to various support frames and are thus system-independent. Hook-on systems are generally used for attachment. These are affixed directly to the unfinished wall or can even be a protruding support frame.
Non-combustible FIREwood panels in red oak veneer provide an optical highlight both as ceiling and wall claddings.

HOMOGENEOUS SPATIAL CONCEPT
Harmony between wall and ceiling

FIREwood can be used not only to realise the covering of walls and ceilings in required corridors: the real wood veneer on the panels can also be used for integrated door elements and other fittings. This enables appropriate visual incorporation of ventilation slots and recesses for ceiling lights or loudspeakers. Manual adaptation at the construction site is no longer required, since the panels are prefabricated at the factory.
DETAILED SOLUTIONS

+ It is advisable to use a „planked“ veneer arrangement on large-scale wall coverings to obtain a surface as homogeneous as possible.
+ A selective use of FIREwood optically enhances entrance areas like lift lobbies or stairwells.
+ Grooved panels promote room acoustics, e.g. in places of assembly, whilst complying with the prescribed fire protection regulations.
DETAILED SOLUTIONS

+ Wall surfaces in concert halls can be both sound reflecting and sound absorbing. The installed elements do not have to form a single plane, relief-like surfaces can also be realised.
+ FIREwood panels are not subject to any restrictions in relation to their dimensions or geometric shapes. In addition to classic squares and rectangles, it is also possible to use triangles and polygons.