

## akustik+ proofire navy



**akustik+ proofire navy** is specially designed for shipbuilding as well as high-quality interior design with special fire protection requirements. The light-weight fire protection panel is developed with glass fiber reinforced one-layer construction.

Besides the low weight, the non-flammable panels have outstanding material properties such as resistance to water, weathering and color as well as a high compressive and flexural strength.

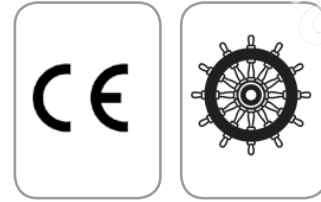
They are easy to process and highly abrasion-resistant and easy to apply to clean.

**akustik**



**Light fiber-fire protection panel with glass fiber reinforced multi layer built up**

According the decision 96/603/EG and 2000/605/EG of the european commission this fire protection panels are classified to class A1 acc. EN13501-1.



**Description**

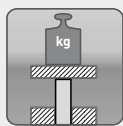
Model:	Material thickness: 18mm panel format: 3000mm x 1250mm
Classification of building material:	non combustable class A1 acc. DIN EN 13501-1
IMO FTPC Part1:	non combustable
Desity: dry	680 kg/m <sup>3</sup> (± 15 %)
Bending E Modul (following EN 12467 • ±10%)	≥ 3000 N/mm <sup>2</sup>
Compressibility (acc. EN 789 - perpendicular to panle surface)	9 N /mm <sup>2</sup>
screw tightening data:	101 N at 15 mm screw in depth (screw diameter 4-5 mm) *
Water vapor diffusion resistance factor (Acc. to EN ISO 12572)	μ= 54
Expansion / shrinkage (When changing to rel.φ 30% [20 ° C] (acc. to EN 318)	± 0,1 %
alkalinity (PH value)	7-8
<b>Dimensional tolerances for standard plates formats</b>	
Panel Thickness:	18 mm
Length Width:	± 10 mm
Thickness:	± 0,5 mm
<b>Characteristics Panel Thickness: 18 mm</b>	
Grammage (Kg / m2) at 7% moisture plates	≈13,5

\* When specifying the characteristic values are average values or approx values. Because of the raw materials used in our products, the specified values of a single delivery without compromising product suitability differ slightly.

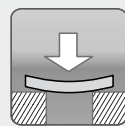
**Product features**



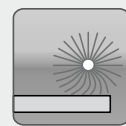
Non-flammable



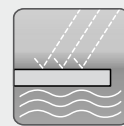
High compressive strength



High flexural strength



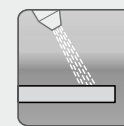
High abrasion resistance



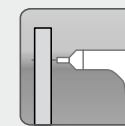
Water resistant



Frost resistant



cleaning capability



Easy application

**Installation hints**

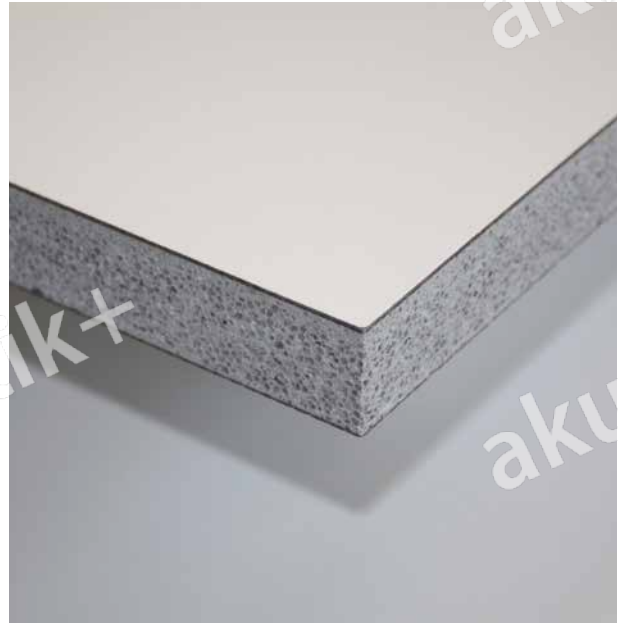
**Installation material and installation distances**

**recommendation with screw connections:** usage of quick building screws with milling ribs at countersunk

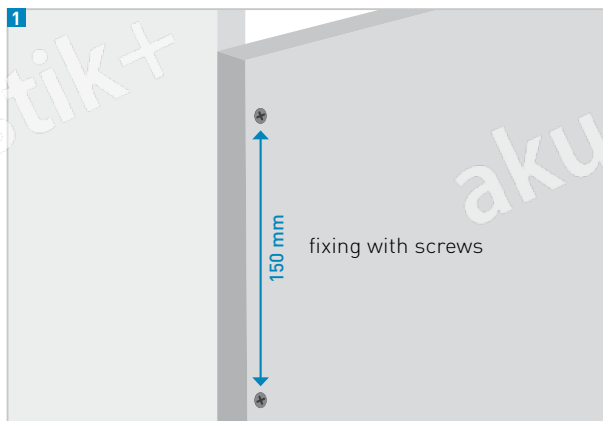
**Recommendation for connections with resin brackets:**  
 All commercially available products are suitable.  
 To avoid surface damage: stapling devices basically with drive limiter according to the manufacturer's instructions use.

**Processing: HPL-CPL / Veneer**

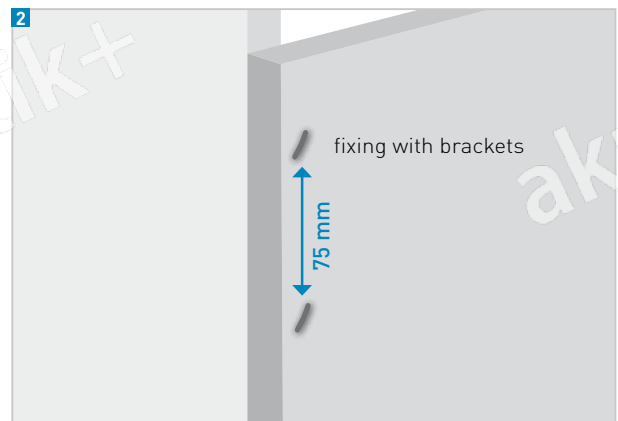
Clueing:	propeller glue eg: Bindan B3/D3 waterproof
Pressing:	2kg pressure per cm <sup>2</sup> press temperature 70° C 8 min pressing time



**Distance to panel border/edges**

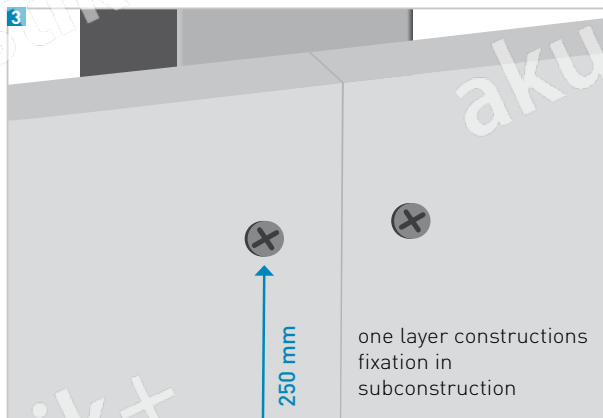


screws: min. 10mm , perfect: >15mm

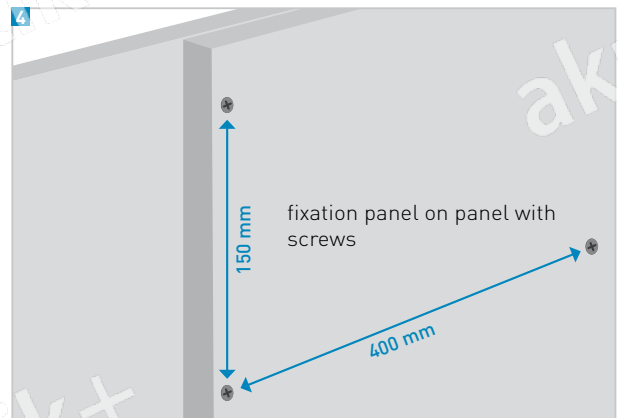


brackets: min. 7.5mm, perfect: > 10mm

**Fixing intermediate distance on wall constructions**



on 1-layer constructions: < 250mm  
 on 2-layer constructions  
 (1st and 2nd layer to connect with subconstruction)  
 1st layer: < 400mm  
 2nd layer: < 250mm



1st layer fix to subconstruction: < 250mm and  
 2nd layer fix to 1st layer panel with screws:  
 height < 250mm,  
 width approx. 400mm



