1. The non-combustible Grenamat® A boards

Characteristics

Grenamat A board is made from exfoliated Vermiculite, a natural material belonging to the group of mica minerals, through a process of hot pressing. Raw Vermiculite is exfoliated at the factory in a high-temperature furnace around 800 ˚C and mixed with special inorganic binders. Grenamat A board is a lightweight, non-combustible, contains no asbestos or other hazardous substances, and poses no health hazards
during processing.

Uses

Grenamat A board is designed for decorative, fire-resistant walls, ceilings, and floors in accommodation and public areas and on all types of seagoing vessels and off-shore platforms. It is safe and easy to work with. In addition, it has excellent acoustic and thermal properties. Marine panels from Grenamat A boards are light, self-supporting, and non-combustible. Together with the available profiles it forms a complete system of fire-resistant partitions

Finishing options

The surfaces of Grenamat A boards can be covered with many finish material according to the wishes of decorators and architects. All boards are sanded to close tolerances, which makes gluing easy. Experience has shown that PVAc or Urea glues are acceptable for moderate climatic conditions. We recommend high-quality gluing with Polyurethane, Epoxy or Resorcinol glues for more extreme conditions such as tropical or arctic climates. The major laminate manufacturers hold certificates of approval where various glues have been used in the flame-spread tests.

Combined with:
High pressure laminates – HPL, Plastic laminates, Veneers, Vinyl, Paints, Wall paper, Stainless steel, Aluminum, Ceramics, Marble

Cutting, milling, and drilling

Normal woodworking tools can be used on Grenamat A boards. Saws should have hardened blades and circular saws tungsten carbide-tipped blades. Holes and cutouts in laminated panels should be cut with a radius of at least 5 mm. Normal power drills are used for drilling. Screw holes should be over drilled in the laminate by at least 0,5 mm to allow movement due to changes in humidity and temperature.

Certifications

Grenamat A board is a non-combustible material tested according to IMO FTPC Part 1 (ISO 1182:1990) and a B - 15 bulkhead/ceiling tested according to IMO FTPC Part 3 (IMO Res.A.754(18)) and may be used in A, B and C class constructions to SOLAS Grenamat A board can be approved by most national and/or international marine certification authority which are including in members of community according to Council Directive 96/98/EC on December 20,1996.