



willtec® FAQ

Lightweight, flexible willtec foam excels at heat and sound insulation

pinta acoustic's proprietary willtec foam meets many stringent requirements for fire resistance, heat shielding, sound control and cushioning without compromising important characteristics such as weight, flexibility, easy installation or reasonable cost.

Withstands extreme temperatures

willtec foam is made from lightweight, porous melamine. It meets all ASTM E-84 requirements for flame spread and smoke density, and it passes the aggressive new UL 1715 room fire exposure test. This versatile foam can even be exposed to constant temperatures up to 300°F and short-term temperatures up to 482°F. It will char, but not ignite, at temperatures up to 1120°F.

Unique construction meets a range of requirements

The open-celled, fiber-free structure of willtec foam gives it an extremely low density, making it lightweight and flexible. The open cells also enhance the material's ability to dampen sound over a wide range of frequencies. In addition, willtec foam is easy to cut, mold, trim and laminate. Installation in machinery, rooms and compartments is easy with one of pinta's pressure-sensitive adhesive backings or acouSTIC caulking gun adhesive.

Handles tough environmental conditions

willtec foam comes standard in natural white or grey colors. It can also be painted in a variety of colors. Many other surface finishes, including a HPC coating specially formulated for pinta, are also available to resist wear from dirt, water, solvents and other environmental irritants. pinta offers consultation for special requirements.

willtec foam features

- Class 1 fire-rated
- Meets ASTM E-84 and UL 1715 requirements
- Does not ignite at temperatures below 1120°F
- Excellent heat insulation properties; no flaming drip
- Very low density, lightweight and highly flexible
- Extremely hydrophilic
- Excellent sound control characteristics in a wide range of frequencies
- Resistance to organic solvents and a variety of diluted acids and alkali
- Economical, easy to install and maintain

Note: Flammability and other values may change with coatings and treatments added. Consult your paint acoustic representative for more information.

Ideal applications for willtec foam

- Thermal and acoustic insulation
- Sound absorption (SONEX® Panels and Baffles)
- Liquid absorption
- Air filtration

Flammability

willtec lightweight, porous acoustic melamine material meets the following regulations for flame spread, smoke density and fuel contribution. The following tests were performed on 1"-thick material:

FM VSS 302, automotive: Passes

UTAC (Union Technique de l'Automobile du Motorcycle et du Cycle): Passes (Category 1, buses)

UL code 94, electronics:

HBF: Passes

HF1: Passes

VO: Passes

ASTM E84, Steiner Tunnel Test:

Flame Spread: 5

Smoke emission: 45

Fuel contribution: 0

FAR 25.853, aviation: Passes

UL1715: Passes

New York City DOS#0 500-970317-4001 Miscellaneous Tests:

UL 181, microbial growth: Passes

Boeing DSS 9739, toxic gas generation: Passes

ASTM G21, fungus resistance: Passes

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