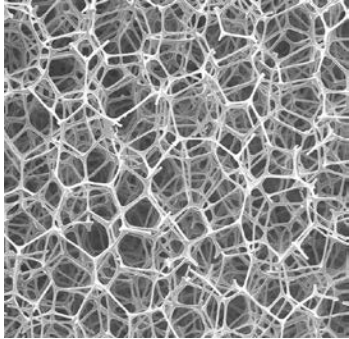


Basotect®

The versatile melamine resin foam



Basotect® is a flexible, open-cell foam made from melamine resin, a thermoset polymer.

Basotect®'s characteristic feature is its three-dimensional network structure consisting of slender and thus easily flexed filaments.

The unique property profile of Basotect®

...resulting from the basic melamine resin:

- Flame resistance (without the addition of flame retardants)
- Application temperature up to 240° C
- Constant physical properties over a wide temperature range
- Abrasiveness

... resulting from the open-cell foam structure:

- High sound absorption capacity
- Low weight
- Good thermal insulation properties
- Flexibility at very low temperature

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The outstanding benefits of using Basotect® are:

- Comfortable room acoustics
- Fire safety
- High design freedom
- Mineral fibre free
- Easy installation
- Energy efficiency

These properties give rise to an extensive range of application possibilities:

■ Construction and Industry

Due to high sound absorption and fire resistance, Basotect® is ideal for use in acoustic test rooms, engine test stands, wind tunnels and cinemas. Highly-developed composite slab absorbers made of Basotect® are a modern form of resonance-type swinging systems which can be customized to meet clients individual sound absorption requirements.



Acoustic Chamber, Hanno, D

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■ Room Acoustics

Open-pore sound absorbers made of Basotect® G+ (light grey) or B (white) ensure pleasant room acoustics, even when installed later. Additional high degree of fire safety and versatile possibilities of design.

The light weight of these absorbers allow large-scale, free-floating elements to be used, offering an attractive room design.



Hotel Barceló in Barcelona, Tecno-Spuma, E



WAVE acoustic modules made of Basotect®, Späh, D

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■ Solar Collectors

Solar units should collect as much sun as possible, reflecting as little as possible. Basotect® provides good heat insulation, even at high temperatures and over a long period of time. Practically no volatile substances are released which could hinder sunlight and reduce efficiency.

■ Air-Conditioning and Thermal Technology

Excellent sound absorption, a high degree of fire safety and fibre-free structure – these are the main advantages of Basotect® when used for sound absorption in air-conditioners and ventilation systems. The inside walls of ventilator casings are also lined with Basotect® to reduce noise.



Thermal insulation of solar collectors, Viessmann, D



Zeus® ventilation system, NDA, IT