

## Product Information

# Basotect® UL Melamine Foam

Basotect melamine foam is a flexible, open cell foam made from melamine resin, a thermoset polymer. It has high sound-absorbing capacity and good thermal insulation properties. Basotect melamine foam inherently has excellent fire, smoke and toxicity (FST) properties that meet rigorous aerospace fire standards. Basotect UL melamine foam exhibits an ultra-low density of 6 g/l (0.37 lb/ft<sup>3</sup>).

### Features

- High sound absorption capacity
- Excellent thermal insulation
- Superior FST properties
- Very low density
- Maintains flexibility over wide temperature range

### Basotect melamine foam in aerospace applications

Basotect UL melamine foam can be used for the thermal and acoustic insulation for sidewall panels and bulkhead structures. It makes a positive contribution to the rising demands for better noise reduction while lowering the weight in aircraft construction. In addition, Basotect panels are self-supporting for easy fit and rapid installation. Assembly time of the aircraft can thereby be reduced.

The low density and thermal insulation properties as well as the favorable fire properties of Basotect UL melamine foam make it the material of choice for duct insulation.

Basotect UL melamine foam is also used for cladding the payload section in the nose cone of rockets for the protection of sensitive satellites from the high

acoustic pressure exerted on the rocket during liftoff. Three properties are key features for the use of the thermoset polymer in this application — the lightweight foam has a high sound absorption capacity, is very flexible at a high range of temperatures and is easy to mount and install.



### Regulatory compliance

Basotect UL melamine foam is in compliance with the industry's stringent FST requirements. It meets BSS 7238 and 7239 as well as FAR Part 25.853, App. F, Part I and V. Details are available upon request.

For more information on Basotect, please visit [www.basotect.com](http://www.basotect.com).

For more information on BASF Aerospace Materials:  
[aerospace.materials@basf.com](mailto:aerospace.materials@basf.com)  
[www.aerospace.basf.com](http://www.aerospace.basf.com)

**BASF Corporation**  
Aerospace Team  
100 Campus Drive  
Florham Park, NJ 07932  
E-mail: [aerospace.materials@basf.com](mailto:aerospace.materials@basf.com)

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