



## Flotation Foam



Alchemy Flotation Foam Systems are specifically engineered to deliver high buoyancy and exceptional impact resilience, making them an optimal choice for marine applications where both safety and durability are essential. These advanced foam formulations also provide outstanding soundproofing and insulation, significantly enhancing comfort and overall performance within demanding marine environments.

In addition to their core properties, Alchemy Foam Systems offer the flexibility to develop custom formulations that are precisely tailored to meet and exceed your specific reaction profile requirements. Customers also have the option to select from a range of blowing agent technologies, ensuring that each solution is perfectly suited to their unique needs.

### Physical Properties

|                                                    |         |                                         |                |
|----------------------------------------------------|---------|-----------------------------------------|----------------|
| Cream Time (seconds)                               | 38-48   | K-Factor                                | <0.165 initial |
| Gel Time (minutes)                                 | 2-3     | Compressive Strength (psi)              | 28             |
| End of Rise (minutes)                              | 3-5     | Tensile Strength (psi)                  | 28             |
| Tack-Free Time (minutes)                           | 3-5     | Water Absorption (lbs/ft <sup>2</sup> ) | 0.0125-0.155   |
| Foam Density (pcf)                                 | 1.8-2.0 | Viscosity - Resin (cps @ 72°F)          | 800-1100       |
| Closed Cell Content                                | >92%    | Viscosity - Iso (cps @ 72°F)            | 150-250        |
| Dimensional Stability<br>(14 days @ 158°F, 95% RH) | +3.5%   | Mix Ratio (by volume and weight)        | 1:1            |

**Product Available to Order Today!**

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