ENGINEERED SYNTACTIC SYSTEMS

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Microsphere Syntactic Material   **FireShield LFST**   **Technical Data Sheet**

Industry Applications

FireShield LFST is ideally suited for civil infrastructure applications where adherence to fire safety codes is mandatory. As a leading-edge alternative to more conventional products such as concrete or masonry, FireShield LFST also provides the additional benefit of radio frequency wave transparency for improved communication. Compared to many construction and structural materials on the market, engineered syntactic foam has a significantly lower weight per volume, so it is easier to install and modify, providing an interesting solution for time and resource constrained projects.

In addition to supporting high structural loads, the impressive mechanical properties of FireShield LFST also provide exceptional thermal protection and resistance to water absorption, making it ideal for marine, defense, off-shore and mining applications.

Proven Performance

FireShield LFST is a low-density syntactic material specifically engineered to provide reliable performance and ease of installation while satisfying regulatory requirement for infrastructure and Marine applications. Produced from the most advanced resin and hollow glass microspheres available, this innovative, flame retardant material provides all the strength and structural integrity of traditional building materials at a fraction of the weight. traditional building materials at a fraction of the weight.

Product Availability

FireShield LFST syntactic materials are available off-the-shelf in sheet form and may be readily used for customer installation.

Standard sheet sizes range from:
0.5" x 24" x 48"
(13 x 610 x 1,219 mm) up to
4" x 24" x 48"
(102 x 610 x 1,219 mm).
Custom sizes and coatings are available upon request.

Highlights

- Resistant to flames, smoke and toxicity
- Provides the strength of concrete at a fraction of the weight

- Exceptional performance for infrastructure applications
- Installs quickly and is easily modified
- Radio frequency wave transparency