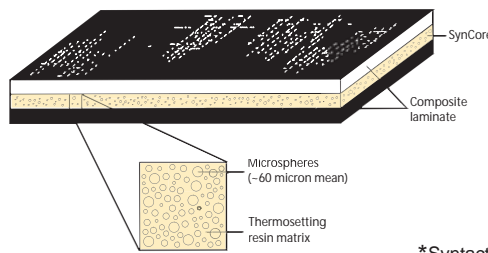


Structural Products for Composite Assembly

Aerospace

SynCore® Syntactic Films

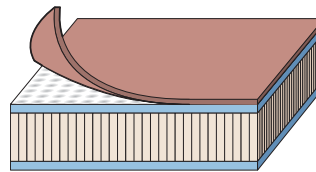
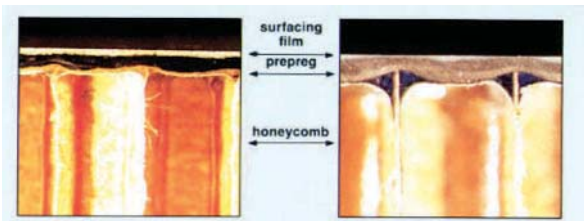
SynCore® is a unique family of low density (42 lbs per cubic foot) syntactic* films ideal for edge close-out and composite sandwich structures. It is handleable, formable, co-curable, and supplied in continuous rolls or sheets of controlled thickness and width. SynCore allows weight reduction of 20%-25% over solid laminates and can be used to simplify the design of composite laminates. Refer to SynCore® Design Guide for details.



*Syntactic means filled with high strength hollow glass spheres.

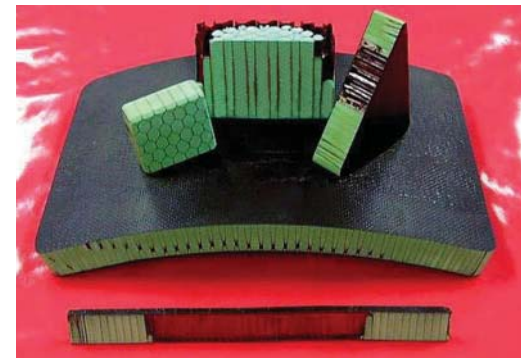
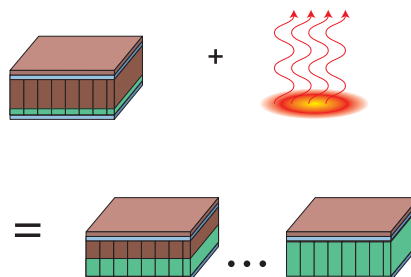
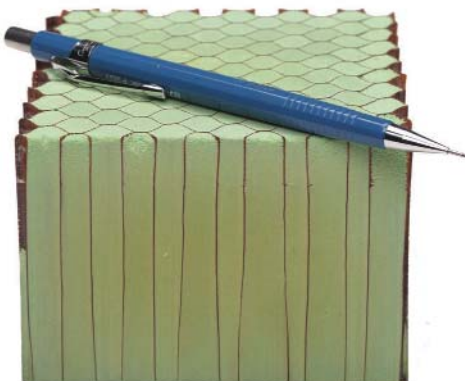
SynSkin® Composite Surfacing Film

SynSkin® composite surfacing films offer high quality off-tool composite surfaces and reduces surface preparation steps prior to painting. Available in black and white tinted versions.



SynSpand® Closed Cell Expanding Syntactic Film

SynSpand® is a closed-cell expanding syntactic film for custom density-to-strength ratios in honeycomb core fill and core splice, resulting in lower costs of co-cure applications by eliminating secondary manufacturing processes. SynSpand films are ideal in closed mold processes for cavity and core fill applications.



Films, Pastes, Resins

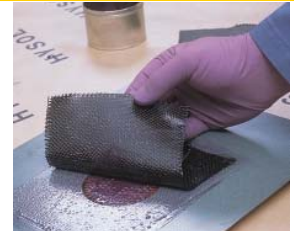
Hysol® Film Adhesives

Film adhesives are pre-catalyzed adhesives offered in sheet form for metal and composite bonding, and honeycomb applications. Film adhesives are offered in defined areal weights (i.e. 0.05 lb per square foot) in roll form (36" wide by 150 lineal feet).



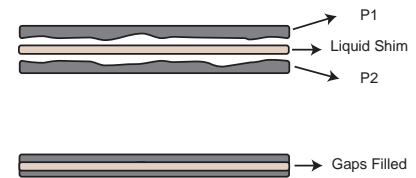
Hysol® Paste Adhesives

One- and two-part epoxy paste adhesive systems for potting, bonding, fairing, and repair, moldable plastic shim, and matrix resins. Low viscosity unfilled resins for impregnation of dry composite fabrics for wet lay-up and composite repair.



Liquid Shims

High compressive strength paste materials used to fill gaps between composite skins and rib stiffeners. Liquid shims are an effective and efficient way to fit up precured composite parts and transfer load effectively to minimize fatigue induced cracking.



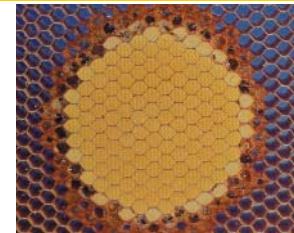
RTM Resins

Low viscosity liquid resins for resin transfer molding. Resin transfer molding is a cost-effective low cost fabrication method for composites.



Syntactic Pastes

Hollow glass sphere filled epoxy pastes used to reinforce honeycomb core for fastener attachments and for core edge fill to prevent moisture ingress in composite parts.



Refer to Product Selector Guide for product details.

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Users should reserve the Material Safety Data Sheet (MSDS) and product label for the material to determine possible health hazards, appropriate engineering controls and precautions to be observed in using the material. Copies of the MSDS and label are available upon request.

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