

3M Aerospace Introduces 3M™ Scotch-Weld™ Structural Void Filling Compounds

Lighter parts in less time for less cost

3M Aerospace is changing the way aircraft components are manufactured with the introduction of [3M™ Scotch-Weld™ Structural Void Filling Compounds EC-3550 B/A FST and EC-3555 B/A FST](#). These low-density void fillers help save time and costs in aircraft production by eliminating process steps, reducing worker time and speeding throughput. With a unique combination of easy dispensability and non-sag performance, Scotch-Weld low-density void filling compounds offer a number of productivity-enhancing advantages.

These Scotch-Weld compounds are lightweight, [extrudable and pumpable](#), offering superior handling attributes and dispensability. The simplified preparation and cleanup for the compounds eliminates weighing, mixing and potential re-packaging, saving significant production time. With fast, direct application, the products reduce – and in some instances, eliminate – hand troweling and trapped air, helping to avoid pinholes, voids and porosity.

Scotch-Weld low-density filling compounds are fast-cure, non-brittle, non-sag materials that are easier to handle than traditional materials and resist chip-outs and breakouts. The products' non-sag properties allow application of the compound to multiple work pieces at one time. In addition, the products exhibit good paint retention and adhesive bond strength.

Along with cutting production costs and time, the compounds also help manufacturers comply with safety regulations for aircraft interiors. Stand-alone FR/FST compliance allows the products to pass inspection alone or in honeycomb panel construction. These compounds are formulated with non-halogenated and antimony-free flame retardants.

With less touch time and less cycle time, Scotch-Weld low-density void filling compounds help reduce part weight while cutting shop floor costs—valuable attributes for any aircraft manufacturer.

About 3M Aerospace

The 3M Aerospace and Aircraft Maintenance Department is a leading supplier to the global aerospace industry, providing innovative products and solutions to OEMs and MROs in the commercial, business, general, and military aviation industries. For information about the 3M Aerospace and Aircraft Maintenance Department visit www.3M.com/LDVF.

About 3M

3M captures the spark of new ideas and transforms them into thousands of ingenious products. Our culture of creative collaboration inspires a never-ending stream of powerful technologies that make life better. 3M is the innovation company that never stops inventing. With \$27 billion in sales, 3M employs about 80,000 people worldwide and has operations in more than 65 countries. For more information, visit www.3M.com or follow @3MNews on Twitter.

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