



Redux[®] Selector Guide



About HEXCEL

Hexcel is the largest US producer of carbon fibre; the world's largest weaver of structural fabrics; the number one producer of composite materials such as prepregs, film adhesives and honeycomb; and a leading manufacturer of composite parts and structures.

As the most vertically integrated supplier in the industry Hexcel manufactures the full spectrum of advanced material solutions. This means that we can offer enhanced design flexibility and support to our customers worldwide.

Hexcel's research and technology function supports our businesses worldwide with a highly developed expertise in materials science, textiles, process engineering and polymer chemistry.

Redux® Film Adhesives, Foaming Films, Pastes and Primers

Hexcel formulates and manufactures a comprehensive range of structural film adhesives, foaming adhesive films, pastes and primers for aerospace and industrial markets.

These Redux® branded products have provided our customers with practical and economical solutions to joining materials for over 60 years. The Redux® range is manufactured in Duxford, UK and Salt Lake City, UT, USA and is supported by a global sales and technical support network.

Redux® Film Adhesives

Epoxy, phenolic and bismaleimide (BMI) adhesives are supplied in film form on a roll and require heat and pressure to cure. These high performance structural adhesives are ideal for metal to metal and composite bonding and for the manufacture of honeycomb sandwich structures.

Redux® Foaming Adhesive Films

When cured at elevated temperature these films expand, making them ideal for gap filling, honeycomb core edge bonding and core splicing. Redux® foaming adhesive films are supplied in sheet form and are designed to be used in conjunction with Redux® Film Adhesives.

Redux® Paste Adhesives

A new range of one and two-part epoxy adhesives which can be cured either at room temperature or at elevated temperature to achieve higher levels of mechanical performance. The range includes structural adhesives and syntatics and is offered in either tins or cartridges.

Redux® Primers

Each Redux® primer has been formulated to ensure the maximum possible performance is achieved from the corresponding Redux® Film Adhesive. Redux® primers protect pretreated surfaces prior to bonding and ensure maximum bond durability.