

**Huntsman Advanced Materials****Structural Adhesives In Action**

<b>Application</b>	Aircraft interior furnishings such as wardrobes, stowage bins, cabin dividers, galley fittings etc, are produced from Fibrelam composite sections. Araldite adhesives are used for direct bonding and fillet bonding of the "tongue and groove" joints made with the Fibrelam to give increased strength and stiffness compared to the conventional joint.
<b>Substrates bonded</b>	Fibrelam composite board.
<b>Pretreatments</b>	None
<b>Design of joint</b>	"Tongue and Groove" joint with a fillet of adhesive on each side. The joints may operate in tension or compression with flexing forces.
<b>Curing conditions</b>	Room temperature for 24hours.
<b>Special service conditions</b>	Adhesive must be gap-filling and non-flowing. Subject to some vibration and flexing in service.
<b>Advantages for the customer</b>	Cost savings by ease of use and accurate application. Increased production speed. Less waste of adhesive and less cleaning necessary.
<b>Advantages over competition</b>	Ease of use from cartridge and cost savings.
<b>Araldite Adhesive used</b>	Araldite 2015 cartridges (Araldite AV 5308 / HV 5309-1).