

The Use of Magnesium in Airplane Interiors
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Abstract. The airframe industry continually investigates methods of saving weight and reducing fuel consumption. One area that has been discussed is to use magnesium in certain cabin interior areas where aluminum is currently being used, for example the seat frames. Although magnesium is 30% lighter than aluminum, there are safety concerns over its flammability. Once ignited, magnesium is very difficult to extinguish, and current handheld extinguishers are incapable.