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Winner of an Alufoil Trophy 2008

## **Explosive development wins Alufoil Trophy 2008**

Hydro Aluminium won one an Alufoil Trophy 2008 for an unusual application for fire protection. ProTechT Solutions' Certinite™, a passive explosion and fire protection system, proves how successful aluminium foil is across any number of market uses.

Certinite™ prevents explosions and reduces the risk of fire by up to 80% compared with a fuel tank without Certinite™. It is manufactured using plain alufoil with characteristics that allow it to be stretched and formed on dedicated machines to produce a “net like” mesh structure.



The resulting 50-80µ material is then shaped into rolls, cylinders, cubes and bricks by special roll machines or presses to create tailor-made solutions for different applications. For example balls are used for smaller tanks and a net structure for larger tanks.

The mesh is designed to secure optimal flame resistance and minimal volume displacement when placed in gas or fuel tanks and “confined spaces” to prevent explosion and fire.

Head Judge Arne Russ, purchasing director of confectionery specialist August Storck said: “The Certinite™ application shows the amazing versatility of alufoil; it was fascinating to learn that heat can be drawn away from combustible material by honeycombed alufoil.”

The development shows just how important aluminium foil is across a variety of applications outside of packaging and the multi-talented nature of the material. This application's importance to the daily lives of consumers can be understood when considering travel by car or bus, cooking with gas bottles and transportation and storage of explosive liquids.

“The Alufoil Trophy demonstrates that aluminium foil is multi-talented across a host of applications, contributes to safety and is an essential 100% recyclable all-round material,” Wolfgang Winkels, Head of Technical Customer Service Foil, Hydro Aluminium.

The annual Alufoil Trophy is organised by the European Aluminium Foil Association.

*High resolution pictures of all winners are available at [www.alufoil.org](http://www.alufoil.org) as well as a list of all entries.*

### **Further information:**

Guido Winsel  
Director Communication  
European Aluminium Foil Association  
Am Bonneshof 5  
D - 40474 Düsseldorf

Phone: +49 (0)211 47 96 191  
Fax: +49 (0)211 47 96 408  
[enquiries@alufoil.org](mailto:enquiries@alufoil.org)  
[www.alufoil.org](http://www.alufoil.org)