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### **AGY Presents Technical Paper on S-2 Glass® Armor Systems**

**Aiken, S.C., Oct. 6, 2004** – In a continuing effort to serve the composites community with information about high-performance systems, AGY recently presented a paper at the 11<sup>th</sup> annual International Conference of Composites/Nano Engineering, held Aug. 8-14 in Hilton Head Island, S.C.

Titled *Ballistics Applications: S-2 Glass® Composite Performance*, the paper summarizes the results of more than 20 years of research into the use of *S-2 Glass* in ballistic applications. The research and the paper are focused on defining the density of *S-2 Glass* reinforced composite materials needed to stop threats specified by national or regional ballistic standards such as NIJ or STANAG<sup>1</sup>.

In addition to traditional ballistic projectile threats, the AGY paper and research report the performance of *S-2 Glass* composite applications against FSP (fragment simulated projectiles) for use in spall liner applications. The presentation also provides information about the characterization of structural and other non-ballistic properties of *S-2 Glass* composite materials.

The authors of the paper are P. Douglas Lyle, David Fecko, and Dennis Murray. All three are members of the technical staff at AGY.

AGY is a leading global producer of fiberglass yarns and high strength fiberglass reinforcements used in a wide variety of composites applications. Headquartered in Aiken, S.C. (USA), AGY has a European office in Lyon, France, and manufacturing facilities in Aiken, S.C., and Huntingdon, Pa. Additional information may be found at the company's website, [www.agy.com](http://www.agy.com), or by email at [info@agy.com](mailto:info@agy.com).

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<sup>1</sup> NIJ is the research, development and evaluation agency of the U.S. Department of Justice. It is dedicated to researching crime control and justice issues, and to that end the agency published NIJ Standard – 0101.04 covering ballistic resistance of personal body armor. STANAG is a North Atlantic Treaty Organization (NATO) abbreviation for Standardization Agreement, which set up processes, procedures, terms and conditions for common military or technical procedures between the member countries of the alliance.

S-2 Glass® is a registered trademark of AGY.