

NEWS

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Graham Architectural Products Launches GThurm Windows: 0.18 U-value to Revolutionize Commercial Building Industry

*Graham develops new R 5.5 windows featuring
G2RP technology with an AW-90 rating*

York, PA., (www.grahamwindows.com) – [Graham Architectural Products](http://www.grahamwindows.com) (GAP), a leading manufacturer of architectural-grade windows, doors and curtain wall, based in York, PA., announced today that it will be launching a new line of **high-efficiency window** products called GThurm. As the first American-made architecturally rated (AW) windows to feature thermal transmission measures as low as U 0.18 (R 5.5), using readily available insulated glass, GThurm windows are expected to revolutionize the architectural and construction industry.

GThurm windows feature Graham **glass-reinforced polyurethane** (G2RP) technology, offering improved dimensional stability, durability, thermal insulation and environmental friendliness. G2RP technology employs a unique polyurethane resin made by Bayer MaterialScience, LLC. To create these superior strength windows, 80 percent continuous stranded glass content is combined with 20 percent resin to produce window lineals using a pultrusion process.

Unlike traditional fiberglass window lineals, window lineals pultruded with the G2RP process require no additional reinforcement for structural integrity. The unique process allows for lightweight framing with superior structural performance and a thermal performance nearly triple that of ordinary AW-rated products.

GAP President and CEO Brian Hurley made the announcement today saying, “Our new GThurm windows represent the latest technology, combining environmentally friendly components in a low embodied energy package. Most importantly, the GThurm windows can achieve thermal transmission measures as low as U 0.18 for an AW-rated window. This will save customers a substantial amount of energy compared to most other AW windows available today.”

In addition to superior strength and increased energy efficiency, GThurm windows are also environmentally friendly and contribute to **sustainable design**. The G2RP pultrusion process uses a special polyurethane resin from Bayer MaterialScience, LLC, which contains no volatile organic compounds (VOCs). The GThurm lineals also use 57 percent less energy per pound of raw materials to produce than comparable aluminum designs, making it a sustainable design.

Graham Architectural Products plans to introduce GThurm windows during the American Institute of Architects Convention and Expo, June 10-12, 2011 in Miami, FL.