

## News Release

Contact:

Kristie A. Monte  
630/543-6660

Andrew Huff  
847/382-7404

NEW METPUMP SYSTEM FOR GLASS FURNACES MAKES  
CONSTRUCTION FAST, SUPERIOR AND LOW COST

ADDISON, Illinois (December 9, 2005) -- Magneco/Metrel, Inc. today announced an innovative system for glass furnace construction featuring three of the company's advanced Metpump cement-free nanoparticulate refractory products: Metpump C190 G, Metpump AZS and Met-Silcast.

"These complementary Metpump products have performed extremely well in the repair of glass furnaces, and are now being used in the construction of new furnaces," said Charles W. Connors, Sr., president of Magneco/Metrel. "The refractories have reduced both cost and installation time, while providing superior performance compared to brick, thereby increasing service life and improving equipment availability."

(more)

The Metpump family of nanotechnology products consists of pumpable and shotcrete formulations of colloidal silica, Sol-Gel bonded monolithic refractory materials developed to match the demands of different regions of a furnace. Compared to low or ultra-low cement bonded castables, Metpump products exhibit superior hot strength, thermal shock and creep resistance properties, excellent erosion and abrasion resistance, high resistance to chemical attack and increased mechanical strength.

The superior performance and advantages of the Metpump products have been demonstrated in both glass and metallurgical manufacturing worldwide, including direct reduction process, kilns, iron and steel, aluminum, copper, non-ferrous and ferrous foundries, and chemicals.

Metpump products can considerably reduce furnace downtime and construction cost, thanks to their pumpability and fast dry-out characteristics. Metpump products can be pumped at rates up to 20 tons per hour, and dry-out time is one-third to one-half that of cement bonded castables. The advanced technology has the highest hot strengths of any monolithic refractories available today.

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For further information on glass furnace construction with Metpump products or the full line of Metpump products, call 630/543-6660 or visit [www.magneco-metrel.com](http://www.magneco-metrel.com).

Magneco/Metrel Inc. is the world's leading developer and manufacturer of refractory technology, with headquarters in Addison, Illinois, and facilities in 16 countries worldwide.

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