MAGNECO/METREL

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News Release

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GLASS FURNACE REPAIR MADE FASTER, CHEAPER

WITH MET-SILCAST NANOTECHNOLOGY REFRACTORY

ADDISON, Illinois (May 20, 2005) -- Magneco/Metrel, Inc. today announced the availability of an educational module on the use of innovative nanoparticulate refractory, known as Met-Silcast, for furnace crown overcoating in the glass industry.

"Met-Silcast offers proven, advanced technology that is ideal for the hot repair of glass furnace crowns as well as new construction," said Charles W. Connors, Sr., president of Magneco/Metrel. "Unlike with traditional brick refractory, its easy spray-on application allows high-quality repairs with unprecedented speed."

Met-Silcast is part of the Metpump family of nanotechnology products, which consists of pumpable and

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shotcrete formulations of colloidal silica-bonded monolithic refractory materials developed to match the demands of different regions of a furnace. All share the following advantages over traditional brick refractory:

- Rapid application in hours or days, not weeks or months; rapid cure-out schedules; hot repairs without steam spalling.
- Continuous, seamless surface with no joints.
- Low porosity and greater hot strength due to no cement content.
- Excellent thermal shock resistance.

Metpump products can considerably reduce furnace downtime and construction cost, thanks to their pumpability and fast dry-out characteristics. Met-Silcast can be pumped at rates up to 20 tons per hour, and the advanced technology has the highest hot strengths of any monolithic refractories available today.

Met-Silcast is available in quantities of 2 tons or more. For further information on Met-Silcast or the full Metpump product line, call 630/543-6660 or visit www.magneco-

metrel.com. To learn more about the educational module on furnace crown overcoating, contact Kristie Monte at 630/543-6660.

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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