

May-June 2008 • Volume 100 • Number 653

# TME

The Military Engineer

SOCIETY OF AMERICAN MILITARY ENGINEERS



Engineer Support to

# GWOT

SPECIAL REPORT: ENGINEERING SERVICE FY09 PROGRAMS

### Mold Inhibitor



Barrier-1 Admixture is a new and unique product that, when added to concrete mix, significantly inhibits the growth of bacteria and fungi, including black mold, in humid applications. Designed for all concrete applications, Barrier-1 contains a precise blend of silicates, hydroxides and a powerful antimicrobial agent. When properly blended into the concrete mix prior to pouring, the Barrier-1 Admixture produces

concrete that will not allow moisture migration or capillary action inside the slab. Additionally, the properties of Barrier-1 densify the concrete and increase the overall strength of the slab by an average of 14 percent. Once properly cured, the concrete is compatible with all floor coverings, adhesives and coatings. [www.barrier-1.com](http://www.barrier-1.com).

### Pipeline Inspection System

The Pearpoint flexiprobe push rod video inspection systems, which allow pipeline inspection professionals worldwide to locate and provide high-quality video of pipeline fractures and blockages, are now available with the new P330+ flexiprobe control module, featuring advanced digital video functionality. Included with each system is a new universal easy-fit brush skid set that allows customers to quickly customize their system for use in a range of pipe diameters. The P330+ flexiprobe control module has a 200-mm, ultra-bright, industrial TFT screen and records in full VGA digital video onto compact flash cards of up to 8-GB capacity, allowing up to 7-hr of video to be recorded on each card. Video footage can be conveniently transferred via USB cable to PC or laptop for editing using the included FlexiSight™ software. The compact and rugged P330+ flexiprobe control module utilizes an advanced digital platform that allows users to zoom, pan and rotate images during recording or playback to get a better view of problems in the pipe. *Paul Sherman, 877-247-3797, paul.sherman@radiodetection.spx.com.*



### Specialty Coatings

Nansulate® is a patented product line of specialty coatings containing a nanotechnology-based material that provides the combined performance qualities of thermal insulation, corrosion prevention and resistance to mold growth in an environmentally safe, water-based coating formulation. Nansulate® is applied like paint and will fit into a variety of places, allowing the visual appeal of the building to remain

intact. It provides a flexible insulation solution for commercial and residential buildings. It helps to reduce heating and cooling costs and increases the efficiency of HVAC units. This is a non-hazardous and mold-free alternative to traditional fiberglass. This line of products, by Industrial Nanotech Inc., includes both industrial and residential coatings. The company belongs to the U.S. Green Building Council. [www.Industrial-Nanotech.com](http://www.Industrial-Nanotech.com).

### Architectural Lighting



Paradox Architectural in-grade luminaires are multi-purpose units designed for lighting architectural and landscape features, and provide the best modular sealed technology in the lighting industry. These units can be flush-mounted into a variety of substrates or landscape materials, and are ideal when aperture size or luminaire depth is a priority. Hydrel's paradox, recognizing customer needs for minimal luminaire depth and aperture size when specifying in-grade lighting, as well as application specific limiters to flow-through technology, resulted in this new in-grade illumination. Features of the product include: architecturally-styled, 7-in low-profile aperture; minimal luminaire size and presence with an 8-in housing depth; innovative sealing technology that meets IP68 standards and UL wet location requirements, and utilizes 12W LED to 70W MH sources. *Scott E. Sorensen, LC, 818-362-9465, ext. 4525; ssorensen@hydrel.com.*

### Recycling Receptacle

The Transit Receptacle provides an attractive and efficient all-in-one solution for public space litter collection and recycling. Made from durable, corrosion-resistant stainless steel, Transit's space-saving design incorporates three separate openings and three independent internal compartments for conventional litter, paper and beverage containers. Features include stainless steel construction, large side access doors and quick-action latch for easy servicing, a choice of four stainless steel finishes with powdercoat colors available, three 20-gal polyethylene liners for 60-gal total capacity. The product is perfect for use in airports, train or bus terminals, universities and other high-traffic environments. *800-451-0410; www.forms-surfaces.com.*



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