

MMP MATERIALS PERFORMANCE

MARCH 2010

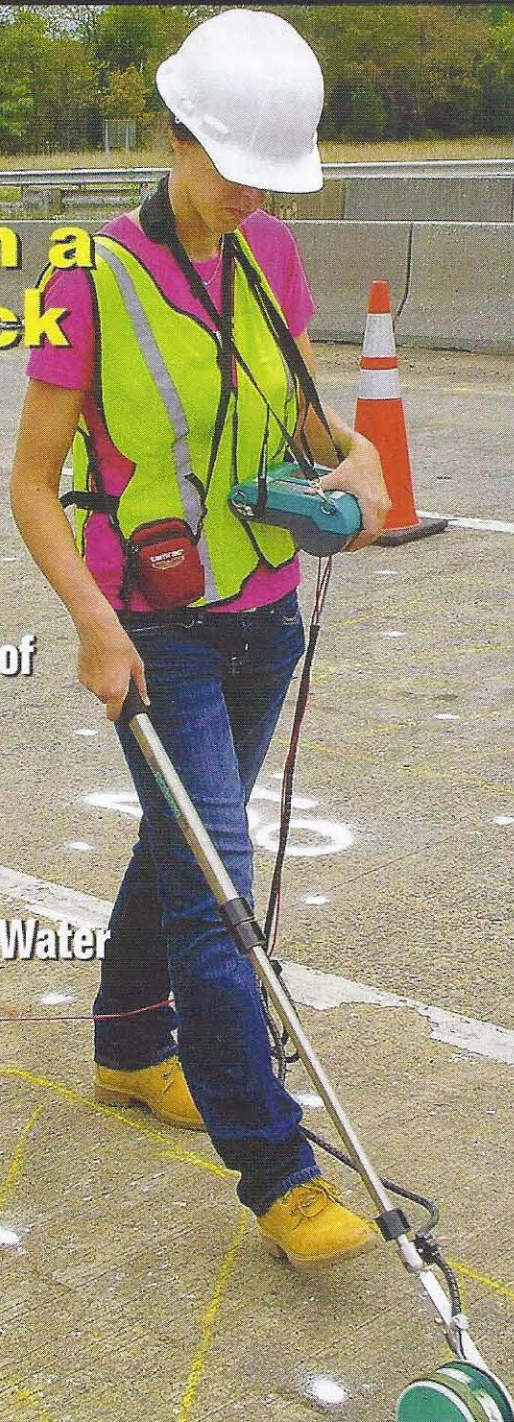
CORROSION PREVENTION AND CONTROL WORLDWIDE

Assessing Corrosion Damage on a Bridge Deck

Polyurea Coatings for Rehabilitation of Metal Roofing

Design and Installation of Fiberglass-Reinforced Plastic Pipe

Corrosion Inhibition of Carbon Steel in Cooling Water



NACE
INTERNATIONAL

The latest tools for fighting corrosion

Corrosion data system

Pepperl+Fuchs (Twinsburg, Ohio) introduces the CorrTran® Corrosion Data Logging System, a portable solution for determining corrosion problem areas in pipelines and vessels based on geometry and installation locations. The system complements the CorrTran® MV online corrosion monitoring transmitter, allowing users to access real-time corrosion data via Ethernet, universal serial bus, secure digital card, or locally via videographic chart recorder. The data logging system includes a KFD2-HLC-EX1.D HART loop converter, which



receives HART data from the CorrTran MV corrosion monitor, and delivers three 4 to 20 mA outputs that represent general corrosion, localized corrosion, and conductance. Phone: +1 330-486-0002, Web site: www.pepperl-fuchs.com.

Clear epoxy encapsulant

Progressive Epoxy Polymers, Inc. (Pittsfield, New Hampshire) is now offering Bio Clear 810™, a low-viscosity, solvent-free, clear epoxy used for object encapsulation in the marine, electronic, and gift industries, as well as poured-on bar top and table top applications. Bio Clear features a low exotherm kick, slow ultraviolet epoxy yellowing, and low viscosity, making it ideal for poured applications between 0.25 and 1-in (6.4 and 25-mm) thick. Bio Clear 810 has a



2:1 mix ratio and is sold in 48-oz (1.4-L), 1.5-gal (5.7-L), and 3-gal (11-L) kits. Phone: +1 603-435-7199, Web site: www.epoxyproducts.com.

Corrosion inhibiting system

South-Tek Systems (Wilmington, North Carolina) recently launched the MICBlast™ Corrosion Inhibiting System, a compact system that generates and introduces high-purity, corrosion-preventing nitrogen (N₂) into dry and pre-action fire protection systems. The MICBlast is designed to inhibit problematic corrosion by supplying dry, low-pressure, supervisory N₂, which is an inert, non-flammable gas. It is also equipped with South-Tek's BlastOff™

Leak Detection System that alarms when the N₂ generator is operating more frequently than normal due to a sizable leak in the piping system downstream. Phone: 1 888-526-6284, Web site: www.southteksystems.com.



PENETRATING LUBRICANT

Lubrication Engineers, Inc. (Fort Worth, Texas) introduces its Wire-life™ Low Tox® Penetrating Lubricant that protects against rust and corrosion. It's ideal for marine environments and other applications where environmental concerns require the use of a very low-toxicity wire rope and chain lubricant. The lubricant's high load-carrying capacity reduces rope fatigue and extends the life of wire rope, making it an excellent choice for heavily loaded standing or running wire ropes. Easy to apply, the lubricant can be dipped, sprayed on with automatic equipment, or hand-applied with a brush. It is available in 5-gal (19-L) pails and 55-gal (208-L) drums. Phone: 1 800-537-7683, Web site: www.le-inc.com.

BRIGHT FINISH SLICKLINES

Sandvik Materials Technology (Benton Harbor, Michigan) introduces its range of bright finish slicklines, used to lower heavy tools and instruments into oil and gas wells. The bright surface slicklines feature a smooth surface that minimizes friction and maximizes life expectancy of pulleys, sheaves, and counters. The smooth surface also minimizes microscopic pores that can lead to pitting, especially on lines exposed to aggressive conditions encountered in the deepest part of a well. Phone: 1 800-253-2437, Web site: www.smt.sandvik.com.

MP welcomes submissions of product press releases and photos for Product Showcase. Please send them to the attention of Suzanne Moreno, NACE International, 1440 S. Creek Dr., Houston, TX 77084; phone: +1 281-228-6259; fax: +1 281-228-6359; e-mail: suzanne.moreno@nace.org.

—S. Moreno