



Single Seal Freeze Protect

Professional Products Direct's Single Seal Freeze Protect™ penetrates concrete pores to prevent water and water vapor from passing through the surface by forming a glass-like silicate barrier within the pores. It helps prevent spalling damage, cracking during freezing-and-thawing cycles, and efflorescence. Single Seal Freeze Protect also provides stain resistance and reduces ice bonding.

—Professional Products Direct, www.professionalproductsdirect.com

HandJet EBS-260

The handheld portable printer, HandJet EBS-260, has a print height of up to 2.2 in. (56 mm) that features 32 dots. The ink cartridge capacity is up to 200,000 characters in a 7 x 5 matrix. Single- or multi-line messages can be printed on both porous and nonporous substrates. The large, highly readable screen makes it easy to adjust print parameters and view messages being printed and various operational parameters. The HandJet EBS-260 uses a variety of quick-drying and application-specific inks such as ethanol-, acetone-, or MEK-based in different colors.

—Elektronische Beshriftungs-Systeme (EBS), www.ebs-inkjet-usa.com

SHOWA 4561 Glove

SHOWA® released the SHOWA 4561 Glove, which has been engineered in collaboration with DuPont with cut-resistant 15-gauge Kevlar® construction. This lightweight glove meets ANSI/ISEA 105 A4 Cut Resistance Level requirements. SHOWA 4561 uses SHOWA's patented Zorb-IT® grip technology, which allows users to maintain a grip in oily and wet conditions. The top of the glove indicates the glove size, technologies, and certifications. SHOWA 4561 is engineered with seamless fit technology, which provides comfort along the fingers and palm.

—SHOWA, Inc., www.showagroup.com
—DuPont, www.dupont.com

GSSI Palm XT Antenna for StructureScan Mini XT

The Geophysical Survey Systems, Inc. (GSSI), Palm XT is a miniaturized ground-penetrating radar (GPR) antenna that enhances the capabilities of the StructureScan™ Mini XT GPR concrete inspection system. The handheld antenna provides users access in tightly spaced areas and enables overhead scanning. The 2300 MHz Palm XT offers superior depth penetration and resolution. It features full keypad control via the antenna top, allowing for remote control of the user interface. The antenna has seamless software integration and provides users with three data collection modes: standard, cross polarization, and sidecar. Standard mode requires no special setup, and is ready for plug-and-play operation. Cross polarization mode highlights nonmetallic objects, such as PVC, and deemphasizes metallic objects such as reinforcing bars and wire mesh. Sidecar mode transitions the survey wheel to the side of the antenna and allows it to fit into smaller spaces.

—Geophysical Survey Systems, Inc., www.geophysical.com



Products & Practice

EksoVest

The Ekso Bionics® EksoVest is an upper-body exoskeleton that elevates and supports a worker's arms to assist with tasks. The vest provides adjustable lift assistance of 5 to 15 lb (2.2 to 6.8 kg) per arm. It is lightweight and low profile, making it comfortable to wear in a variety of conditions while enabling the freedom of motion necessary to complete tasks from chest height to overhead.

—Ekso Bionics, <http://eksobionics.com>

PowerLift Foundation Repair

PowerLift Foundation Repair's method of polyurethane foam injection lifting of sinking concrete slabs can be used in residential, municipal, and commercial applications. PowerLift's polyurethane foam provides a solid, dense void platform that supports the slab. The foam's tensile strength and elongation allow it to be tough and pliable under heavy workloads. When installed, the foam can expand 20 times its liquid volume, which allows it to move laterally beneath a slab to fill voids and provide continuous support. The foam seeps into the subbase and binds particles together to improve the bearing capacity. The foam cures in minutes, allowing pavement to be opened for use shortly after injection. The foam injection requires injection holes of 3/8 in. (10 mm).

—Powerlift Foundation Repair, www.powerliftfoundationrepair.com



TrueLook Construction Camera Systems

TrueLook provides construction cameras combining live jobsite viewing, project time-lapsing, and high-definition security. The time-lapse functionality allows users to see updates on projects and review visual documentation over the course of a project. Using this technology can also help site supervisors go back and see the impact of weather events on their jobsite and how quickly their teams reacted and recovered.

—TrueLook, www.truelook.com



The One Floor System

Braxton-Bragg's The One Floor is a maintenance program that improves a polished concrete floor while it is cleaned. The system substitutes a diamond pad for a cloth pad and reduces the amount of soap and chemicals used to clean. With a smaller amount of soap, properly selected diamond pads both clean and polish the floor.

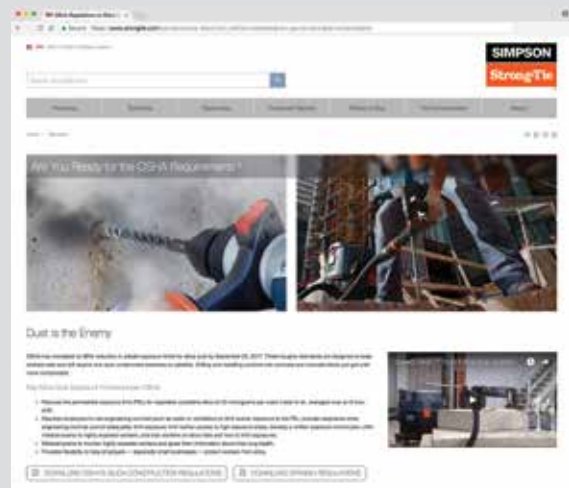
—Braxton-Bragg,
www.braxton-bragg.com

Web Notes

Simpson Strong-Tie Launches Microsite for OSHA Silica Dust Regulations

Simpson Strong-Tie launched a silica dust microsite to help contractors, builders, engineers, and other building professionals safely comply with the new construction standards. The microsite is designed to enable users to quickly grasp OSHA's updated requirements via downloadable information and government documents, including a fact sheet, answers to frequent questions, and the silica dust construction regulations in both English and Spanish.

—Simpson Strong-Tie, www.strongtie.com



Book Notes

Structural Concrete: Strut-and-Tie Models for Unified Design

by Salah El-Metwally and Wai-Fah Chen

Structural Concrete: Strut-and-Tie Models for Unified Design examines the application of strut-and-tie models for the design of structural concrete. This book provides information from fundamental theories to practical engineering applications, and it provides solutions for many design problems that are not otherwise achievable using the traditional methods.

—CRC Press, www.crcpress.com

230 pp.; ISBN: 9781498783842

Products & Service Literature & Videos

Standard Practice for Periodically Measuring and Monitoring Sealant Dimensions to Stability Following a Period of Compression or Tension

A new ASTM International standard will help manufacturers and regulators better understand how building sealants change once they have been compressed or stretched. “Standard Practice for Periodically Measuring and Monitoring Sealant Dimensions to Stability Following a Period of Compression or Tension” (C1815) was developed by ASTM International Committee C24, Building Seals and Sealants. The new standard will be used by manufacturers to measure the residual strain in various sealant formulations. In addition, regulators will use the standard to modify existing sealant standards to more realistically incorporate sealant compression behavior.

—ASTM International, www.astm.org