

Products & Practice

Batch Controller CB-30

Badger Meter has replaced its Batch Controller Model CB-20 with the CB-30, which includes new features that boost accuracy and durability. The CB-30 is ideal for use in concrete plants to batch water into the concrete mixture and other applications involving fluid transfer. The device allows the controller to quickly set and run an exact batch, and a presettable batch limit prevents batches greater than the specified value. A permanent display of the preset batch informs the operator about the remaining amount and batch value. Also, an override enables the operator to manually dispense water or add to the preset batch.

—Badger Meter, www.badgermeter.com



Powerblanket Extra-Hot

Powerblanket® Extra-Hot (EH) heating blankets provide added levels of heat and feature GreenHeat™ Technology, allowing them to have strong temperature control and freeze prevention. GreenHeat Technology is a heat system designed to provide efficient and uniform distribution of heat while consuming low levels of energy. The EH blankets are suited for accelerating the thawing of frozen ground (up to 24 in. [600 mm] deep) and for cold weather concrete applications. In extreme weather environments, the blankets have produced cured concrete with a strength of 3925 psi (27 MPa) in 72 hours. The blankets are offered in a variety of standard and custom sizes, and certain versions can perform in temperatures as low as -40°F (-40°C).

—Powerblanket, www.powerblanket.com

EZ Strip Cure

EZ Strip Cure low-odor curing compound is for indoor use on fresh concrete. Once curing is complete, the compound can be removed with ammonia-based household cleaners or a low-pressure spray, unlike most curing agents that require strong chemicals or abrasion for removal. This permits earlier application of penetrating sealers, floor coatings, and other subsequent treatments.

—ChemMasters, Inc., www.chemmasters.net

Carbide Bushing Tool

The new two-piece Bosch Carbide Bushing Tool is engineered specifically for small concrete chipping or gouging jobs that require a quick, easy-to-use concrete accessory. This tool starts with solid power transfer delivered by a precision shank to maintain constant pressure on the tool head. Shank options include a 12 in. (300 mm) round hex, an 8 in. (200 mm) SDS-max®, or a 12.75 in. (325 mm) hex. The head measures 2 x 2 in. (50 x 50 mm) and has 25 carbide-tipped pyramid points. The tool can be used with small, demolition, or combination hammers. It can prepare a rough concrete surface or remove excess concrete where chipping, cleaning, and gouging are required.

—Bosch, www.boschtools.com



Heavy Duty Electromagnetic Vibratory Feeder

Eriez Heavy Duty Electromagnetic Vibratory Feeders are ideal for handling aggregate, slag, or wherever high-volume, controlled feeding is required. The feeders feature an energy-saving intermeshed AC/permanent magnet drive and come in a variety of configurations, with some models capable of processing 850 tons (770 tonnes) of material per hour. The electromagnetic feeders require minimal maintenance and have a design that has no moving parts.

—Eriez, www.eriez.com

Products & Practice



PROLOK

PROLOK™ is a new line of reinforcing bar and mesh chairs featuring locking heads, eliminating the need for tie wire and bar ties. PROLOK chairs are lightweight, stackable, reflective, and contribute to LEED points. They are suitable for a variety of applications, including commercial and residential; parking lots and garages; and driveways and patios. PROLOK is available in three models: the High Chair, which tightly secures a reinforcing bar intersection without ties; the Tilt-Up Chair, which reduces the number of ties needed in tilt-up applications and features an EZ Flow base that has an invisible four-point footprint; and the Sandplate Base, which provides additional support for base stability with High Chairs in soft and sandy applications.

—Grip-Rite®, www.grip-rite.com

MCI Super Remover

MCI® Super Remover is a powerful cleaner for removing rust, scale, and tough concrete residue. It serves as a replacement for muriatic, phosphoric, and nitric acid cleaners, instead using low-pH organic salt to remove even aged concrete from equipment surfaces. It can be diluted to varying concentrations and used on drum mixers, concrete trucks, construction equipment, and batching plants. It is biodegradable and does not damage surfaces.

—Cortec® Corporation, www.cortecvci.com

Spectra Precision QM75

The Spectra Precision® QM75 Quick Measure distance meter is a handheld laser distance meter suited for a variety of applications and designed to give contractors a one-person distance measuring tool that is easy to use, portable, and tough. The device provides a bright laser spot that allows users to safely measure hard-to-reach places with about 1/16 in. (1.5 mm) accuracy up to 230 ft (70 m). A large LCD screen is illuminated for improved visibility and measurements are taken in both metric and English units. The casing is designed with engineering plastics, rubber overmold, and electronics isolation to resist drops of up to 5 ft (1.5 m).

—Trimble, www.trimble.com



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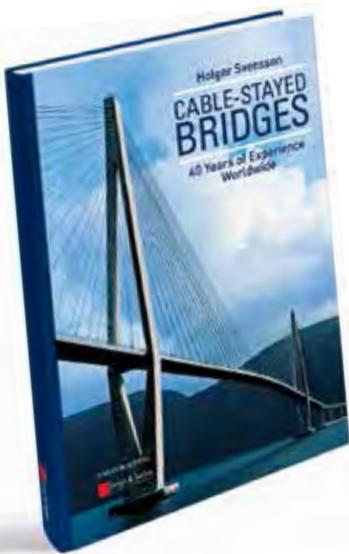
Web Notes

W. R. MEADOWS' Perm Calculator

W. R. MEADOWS has developed a perm calculator, which allows users to compare the amount of moisture that is transmitted through vapor retarders. The calculator is designed to show the estimated amount of moisture that is transmitted through a material of a given permeance over a user-defined area and time period. The materials of varying permeances are compared to the requirements listed in ASTM E1745. By entering the perm rating of the vapor retarder, the floor area in square feet, and the desired time frame to obtain the transmitted water volume through the material, the resultant calculation will be the amount of water vapor transmitted in a variety of units for comparison. The perm calculator can be found online at www.wrmeadows.com/perm-calculator.

—W. R. MEADOWS, www.wrmeadows.com

Book Notes



Cable-Stayed Bridges: 40 Years of Experience Worldwide

by Holger Svensson

Cable-stayed bridges have increased in popularity since their introduction in 1970, with approximately 120 worldwide in 2000 and around 1000 today. Author Holger Svensson observed and played a part in their use during that time period. This book is a summary of all facets of design, construction, detailing, and maintenance of cable-stayed bridges. The well-illustrated text goes in depth on topics such as preliminary design, aesthetics, design computations, and cable technology. It presents highly detailed information for computation and control of bridge vibration and galloping, cable damping, and other such specialized topics. Included with the volume are two DVDs featuring 30 lectures by Svensson summarizing the design and construction of cable-stayed bridges and ultimately constituting a two-semester college course.

Wiley-Blackwell, Ernst & Sohn, website: www.wiley.com

price: \$185; 458 pp.; ISBN: 9783433029923

Products & Service Literature & Videos

ConcreteNetwork.com Releases Concrete Staining E-book

Concrete Staining Today, an e-book published by ConcreteNetwork.com, takes a thorough look at the state of the concrete staining industry by examining recurring trends and various economic factors. As concrete staining continues to be a popular choice among consumers for decorating slabs, the concrete staining industry continues to change with the development of new products. The book takes a look at the growth of the concrete coloring market, expanding product competition, water-based stains, new staining technologies, and merging trends for sealers in conjunction with staining. The 16-page PDF is available for download and print from ConcreteNetwork.com's website.

—ConcreteNetwork.com, www.concretenetwork.com