

Products & Practice

SET-3G High-Strength Adhesive

Simpson Strong-Tie, a supplier of engineered structural connectors and building solutions, announced its SET-3G™ high-strength epoxy anchoring adhesive. The product is listed for installing threaded rods or reinforcing bar dowels in saturated concrete or water-filled holes. SET-3G is also formulated to yield superior performance in cracked and uncracked concrete. The two-component, one-to-one-ratio, epoxy-based anchoring adhesive formula dispenses in a uniform gray color to match surrounding concrete surfaces and can be easily installed in downward, horizontal, and overhead orientations. Available in three cartridge sizes, SET-3G adhesive has been thoroughly tested to meet ICC-ES Acceptance Criteria for Post-Installed Adhesive Anchors in Concrete Elements (AC308) and requirements of ACI 355.4, Qualification of Post-Installed Adhesive Anchors in Concrete, for use in cracked and uncracked normalweight and lightweight concrete.

—Simpson Strong-Tie Company, Inc., www.strongtie.com



Milwaukee PACKOUT First Aid Kits

Milwaukee Tool added two new PACKOUT First Aid Kits to its PACKOUT™ Modular Storage System—a 204-piece Class B Type III Kit and a 76-piece Class A Type III Kit. Both kits are packed with first aid essentials tailored for treatment of the most common injuries encountered on jobsites. PACKOUT First Aid Kits feature impact-resistant cases designed to keep their contents safe from drops and bumps on the jobsite. IP65-rated weather seals protect bandages, adhesives, antibiotics, and other essential medical supplies from rain and other jobsite debris; tailored bin seals keep contents secure and in their proper place by preventing shifting during transport; and transparent lids allow for easy and rapid identification of contents. Heavy-duty latches and reinforced hinges ensure that contents within the kits stay contained and protected. For added functionality, the kits are equipped with a wall hanger so they can be easily mounted to walls and include retroreflective first aid stickers for easy identification.

—Milwaukee Tool, www.milwaukeetool.com



Honda eGX

Honda Engines launched Honda eGX, an advanced electrified power unit. The eGX is the company's first battery-powered motor designed to be incorporated into power equipment products designed for indoor and outdoor use. Honda developed the Honda eGX motor for original equipment manufacturers (OEMs) in the heavy-duty industry sector, allowing these OEMs to provide battery-powered options to their customers without investing in the engineering and funding required to develop their own motors. OEMs get easy entry into the battery-powered market, boosted by Honda engineering, testing, quality manufacturing, and system integration. Initial construction industry applications for the Honda eGX include rammers (model GXE2.0S), power trowels, and vibratory plate compactors (model GXE2.0H). Future applications are projected to include hydraulic power units and compressors. Honda Engines, a business unit of American Honda Motor Co., Inc., also offers a complete line of small, general-purpose engines for industrial, commercial, rental industry, and consumer applications.

—Honda, www.honda.com



Products & Practice

W. R. MEADOWS PENTREAT 244-40 W/B and PENTREAT 244-20 W/B

W. R. MEADOWS has added two new water-based sealers with active silane content to their PENTREAT™ penetrating concrete sealers product portfolio. PENTREAT 244-40 W/B with 40% silane content and PENTREAT 244-20 W/B with 20% silane content are water-repellent sealers for reducing chloride-induced reinforcing bar corrosion, scaling, spalling, and freezing-and-thawing damage. They protect concrete and masonry surfaces by minimizing water and water-soluble salt penetration and ultimately extend the life of structures.

—W. R. MEADOWS, www.wrmeadows.com



Steel Demon Amped Reciprocating Blade

Diablo's Steel Demon® Amped™ reciprocating saw blades are used to cut thick metal. The blades have an industrial-grade coating, Black Industrial Cooling Element (I.C.E.), that is ultra-slick, enhances chip evacuation and blade cooling, and provides the cleanest cutting edge. High-performance carbide delivers a longer cutting life in metal cutting applications ranging in thickness from 3/16 to 9/16 in. (4.5 to 14 mm). The combination of Black I.C.E. and Diablo's carbide delivers extended life and increased performance.

—Diablo Tools, www.diablotools.com



Carhartt Ironside Safety Glasses

Ironside® safety glasses are ideal for those who demand both comfort and style on the job. These full-frame, vented temple safety glasses employ the company's classic and widely popular design. With a rubber nosepiece and straight-back co-injected temples, the glasses offer quality as well as comfort. The scratch-resistant lenses are made from polycarbonate. Paired with the highly durable nosepiece and temple components, wearers can expect these glasses to last for years. All lens options offer anti-fog capabilities to ensure crystal-clear and uncompromised vision. Available with either a capture clam or polybag, lens options include sandstone bronze, gray, or antique mirror.

—Carhartt, www.carhartt.com

—Pyramex Safety, www.pyramexsafety.com



Sika 3-D Concrete Printing

Sika Corporation announced its new technology for three-dimensional (3-D) Concrete Printing. Sika's 3-D Concrete Printing makes it possible to rapidly, inexpensively, and precisely print artistic shapes, functional products, and structural components. The technology is a multicomponent system consisting of material supply, mixing technology, patented print head, printer system, and software control. Furthermore, Sika developed a one-component material for customers already using a 3-D printing system. With close collaboration between the customer and Sika, the right printing solution for the project can be determined, resulting in a high-quality 3-D cementitious print.

—Sika Corporation, www.sika.com

MasterEmaco ADH 501

MasterEmaco ADH 501 from Master Builders Solutions is a two-component, low-viscosity, high-modulus epoxy resin designed for high-performance structural crack repair applications (cracks less than 1/4 in. [6 mm]) in temperatures ranging from 50 to 100°F (10 to 38°C). MasterEmaco ADH 501 is also a nonshrink binder that can be mixed with aggregate to prepare mortar for repair, patching, and overlay of interior surfaces. Designed for installation in damp conditions, the resin is acceptable for use in USDA-inspected facilities and is UL certified for drinking water systems.

—Master Builders Solutions, www.master-builders-solutions.com



Products & Service Literature & Videos



Mass Concrete by Giatec

Learn everything you need to know about governing guidelines and standards for mass concrete applications in this eBook. *Mass Concrete* includes information about heat rise, maximum concrete temperature, concrete temperature differential, types of concrete temperature sensors, locations of temperature monitoring, protection of mass concrete, and thermal control plan.

This eBook is a complete guide to the principles and standards of mass concrete applications, offering engineers, project managers, general contractors, and testing labs the tools to complete their mass concrete projects.

Free; download online

—Giatec Scientific Inc.,

www.giatecscientific.com

ACI Reinforced Concrete Design Handbook Set



The ACI Reinforced Concrete Design Handbook, a two-volume set, aids in the design of reinforced concrete buildings and related structures. The handbook includes an overview chapter on reinforced concrete structural systems, a chapter on the different analysis procedures addressed in the ACI 318 Code, and a chapter on durability of concrete. Available in print and digital formats.

www.concrete.org



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Badger Curb Maker

Curb Roller Manufacturing, a supplier of shaped concrete roller screeds, introduced the Badger Curb Maker for monolithic placements. Designed to seamlessly shape and finish curbs after another product screeds flatwork, the machine supports user efficiency and reduces the need for extra equipment, transportation, and labor. The Badger Curb Maker is battery-powered, lightweight, and delivers high-quality, uniform results for concrete placements.

With monolithic placements, contractors skip the step of an additional placement before placing and finishing the curb. Once the concrete is placed and the flatwork is completed either by a roller screed or a laser screed, the Badger Curb Maker is positioned along its perimeter to form the concrete to the shape of the curb.

—Curb Roller Manufacturing, www.curbroller.com



Stout Conveyors TC-50

Stout Conveyors introduced the TC-50 into the telescoping conveyor market. The TC-50 efficiently places material on jobsites, from 4 in. (102 mm) minus aggregate to concrete and everything in between. With a strategically placed front-end hopper, more than 50 ft (15 m) of placement reach, and 240 degrees of rotation, any tough-to-navigate jobsite spot can be accessible. Despite its compact size, it can place material up to 100 yd³/hr (77 m³/hr). The TC-50 was designed to be unhooked, set up, and running in 5 to 10 minutes. With its built-in pressure washer, clean-up is quick.

—Stout Conveyors, www.stoutconveyors.com



Pro-Mix Station

LATICRETE, a manufacturer of construction solutions for the building industry, has introduced the Pro-Mix Station, a mobile cart for efficient batching and placement of self-leveling underlayment, overlayment, and epoxy materials as well as tile and stone adhesive and repair mortars. The Pro-Mix Station has a built-in dust extractor. It features a removable drill motor, and it is supplied with two mixing paddles designed for the complete blending of a wide range of products. Constructed of a durable steel frame assembly for longevity, the station includes rotating caster wheels for easy mobility. The station's tiltable and removable bin can be used to mix and deliver up to 1500 lb (680 kg) per hour of material. Further, the Pro-Mix Station can be customized to complement the customer's branding.

—LATICRETE, www.laticrete.com



M-Series Surface Grinder Line

General Equipment Company's new M-Series surface grinders, which feature a versatile magnetic tooling system, are designed for use by both contractors and homeowners alike. These low-speed surface grinders are compatible with a wide range of industry-standard magnetic type attachments, including those in General's MAGNETACH® Tooling System or attachments using the Lavina®/EDCO® magnetic mount tooling. These attachments make the grinders ideal for a wide variety of surface preparation projects, including grinding concrete (green to fully cured) and removing various thin-film coatings, epoxies, thin-to-medium glues, mastics, urethanes, concrete levelers, and paint.

The M-Series line includes five different single- and dual-head grinders: the single-head, electric-driven SG12EM (1.5 hp, 115 VAC, 60 Hz); the dual-head, electric-driven SG24EM (2 hp, 115/230 VAC, 60 Hz); the dual-head, electric-driven SG24E3HP50M (2.5 hp, 220 VAC, 50 Hz); the dual-head, electric-driven SG24E3HP60M (3.0 hp, 230 VAC, 60 Hz); and the dual-head, gas-powered SG24GHM (13-hp Honda GXV370 4-stroke engine). They offer the same reliable performance and durability as General's established line of Legacy Series grinders but use magnetic retention for quickly and easily switching attachments.

—General Equipment Company, www.generalequip.com



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