

Edge Eater Chamfer System

Esch Construction Supply's Edge Eater™ Chamfer System is a dust-free solution. The system can be used for grinding chamfers in elements such as parking garage pillars, concrete pole bases, and precast concrete. The Edge Eater™ contains an easily adjustable guide that can be set for chamfer sizes ranging from 3/4 to 1-3/4 in. (19 to 45 mm), saving time and resulting in a uniform finish. The system features a diamond wheel for both chamfer and flat applications. Shroud changes can be made quickly, and they require no tool. Developed exclusively for Metabo grinders, the system also features the Metabo W-series grinder and Pulse-Bac 550 vacuum.

—Esch Construction Supply, www.eschsupply.com

Endeavor Robotics FirstLook

The Endeavor Robotics FirstLook is a throwable, rugged, and expandable robot that can be used to investigate potentially hazardous sites while keeping its operator out of harm's way. The compact and lightweight (5.2 lb [2.4 kg]) robot can self-right when flipped over, climb obstacles up to 7 in. (178 mm) in height, and survive 16 ft (5 m) drops onto concrete. The unit comes standard with four cameras and an illumination system and can support additional sensors and manipulators.

—Endeavor Robotics, www.endeavorrobotics.com



QUIKRETE Shotcrete MS

QUIKRETE® Shotcrete MS is a single-component microsilica-enhanced repair and restoration material that exhibits low rebound during application and achieves very low permeability and a compressive strength of more than 9000 psi (62 MPa) at 28 days. The QUIKRETE Companies offer a full line of shotcrete products that can be applied through a wet or dry process to deliver the combination of high adhesion, low rebound, low sag, and high strength. Shotcrete MS can be used for rehabilitating bridges, tunnels, parking garages, ramps, piers, dams, and other concrete structures.

—QUIKRETE, www.quikrete.com

Nomaco Nomaflex Cutter

Nomaco's Nomaflex® Cutter creates a tear strip in Nomaflex® semi-rigid polypropylene (PP) foam expansion joint filler planks. The worker simply aligns the Nomaflex joint filler within the cutter's channel and pulls the cutter to score a tear strip. The joint filler is then installed and concrete is placed. Once the concrete cures, the tear strip is removed, and the sealant can be applied in the created void. No bond breaker is required on the filler, and the filler remains flexible. The PP foam filler can readily fit around curves and radii (1 in. [25 mm] thick product can be bent to 12 in. [305 mm] diameter without breaking), and the tear-off strip remains attached until the installer removes it. The reusable Cutter is available in three sizes (1/2, 3/4, and 1 in. [13, 19, and 25 mm]) to fit the various thicknesses of Nomaflex joint filler planks.

—Nomaco, www.nomaco.com





Alliance axleWEIGH In Motion Truck Scale

The Alliance axleWEIGH In Motion Truck Scale weighs individual axles as loads pass over at 3 mph (5 km/h). The scale calculates total vehicle weight, regardless of truck length or configuration. For single-pass weighing, tare weights can be entered manually or recalled from the scale's memory based on a vehicle identification number. For two-pass weighing, the scale's controller will automatically calculate the net weight. The controller can provide a comma-separated values (CSV) file with job numbers for transactions. Featuring factory-calibrated load cells and a preprogrammed indicator, the Alliance axleWEIGH In Motion Truck Scale yields better than $\pm 0.5\%$ repeatability on average. Preconfigured for easy installation, a scale can be installed on a gravel driveway, eliminating the need for ramps.

—Alliance Scale, Inc., www.alliancescale.com

Calculated Industries Laser Dimension Master 165-BT

Calculated Industries Laser Dimension Master 165-BT is equipped to measure length, calculate area, determine basic indirect height, and compute volume—all within 1/16 in. (2 mm) accuracy. When measuring area, the unit displays the length, width, and area on the screen. When measuring volume, the unit will display width, length, height, and volume. Using Bluetooth® to communicate measurement details to a smartphone, tablet, or laptop, the LDM 165-BT is also able to store the last 50 measurements in its memory for convenient recall. LDM 165-BT has a measuring range from 4 in. (102 mm) to 165 ft (50 m). Measurements can be displayed as ft-in. fractions, meters, or decimal ft. Users can choose to measure the distance from the front or back of the unit.



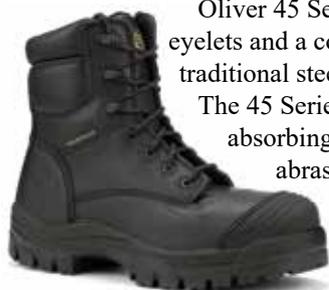
—Calculated Industries, www.calculated.com

Earth Shield Type NB190 Hydrophilic Waterstop

Earth Shield's® Type NB190® is a hydrophilic chloroprene rubber waterstop with durability and watersealing capabilities. The Type NB190 waterstop more than doubles its original size (400% in 36 days), creating a compression seal when exposed to water. The waterstop can expand and reexpand unlimited times with virtually no loss of physical properties. Additionally, Type NB190 has excellent resistance to many chemicals, is heat-resistant, and can be safely used in potable water. The product features simple, low-cost installation and is ideal for retrofit applications as well as new construction.

—Earth Shield, www.jpspecialties.com

Oliver 45 Series Safety Footwear



Oliver 45 Series safety footwear is constructed with liquid-resistant leather and features nonmetallic eyelets and a composite toe cap. The composite caps provide high-impact protection and are 40% lighter than traditional steel toe caps. The boots are also fully lined, with padded collar and tongue for wearer comfort.

The 45 Series all-terrain thermoplastic polyurethane (TPU) soling technology is lightweight and shock-absorbing. The material resists temperatures up to 266°F (130°C); acids and bases; and cutting and abrasion. The Oliver 45 Series footwear is available in five different styles—leather composite mid-boot, tall boot, pull-on, zip-up, or lace-up—and three colors. Oliver has a 125-year history of crafting high-performance protective footwear for Australian workers in the oil, gas, mining, and heavy fabrication industries.

—Oliver Safety Footwear, www.oliversafetyboots.com

Web Notes

ACMA Launches DiscoverComposites.com

The American Composites Manufacturers Association (ACMA) launched a new website to educate end users on fiber-reinforced polymer (FRP) composite materials. DiscoverComposites.com features an introduction to the basics of composite materials, their benefits, how they are made, and how they compare to other materials. The website also provides case studies, market applications, and rebuttals to commonly held myths. Lastly, the resource provides a comprehensive list of standards and guides developed by ACMA and other members of the composites community.

—American Composites Manufacturers Association, www.acmanet.org

Book Notes

Beauty's Rigor

Patterns of Production in the Work of Pier Luigi Nervi

By Thomas Leslie

Born in Sondrio, Italy, in 1891, Pier Luigi Nervi was a pioneer in the engineering and architecture of reinforced concrete. His buildings showed how the use of reinforced concrete expanded the possibilities of form and structure. His methods, meanwhile, ingrained his structures with patterns that came directly out of his economical, manual construction processes.

Beauty's Rigor provides a comprehensive overview of Nervi's lengthy career. Drawing on the Nervi archives and a wealth of photographs and architectural drawings, Leslie showcases buildings such as Palazetto dello Sport built for the 1960 Rome Olympics, St. Mary's Cathedral in San Francisco, CA, and the UNESCO headquarters in Paris, France. He also features unbuilt projects such as the Pavilion of Italian Civilization for the Universal Exposition of Rome (the World's Fair of 1942).

—University of Illinois Press, www.press.uillinois.edu

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Products & Service Literature & Videos

Capital Program Management Survival Guide

Users can download e-Builder's survival guide at www.e-builder.net/white-papers/capital-program-management-survival-guide for an actionable roadmap on reducing risk and improving performance. Topics include top challenges facing owners of capital programs; how best-in-class project teams are structured; technology use to improve productivity, gain visibility, and create transparency; measuring success and capturing return on investment; and knowing the difference between an owner-centric project management information system (PMIS) and a contractor-centric solution. The guide also describes seven management traps to avoid, six positive traits of a well-managed project, and two project samples that can be used as benchmarks.

—e-Builder Inc., www.e-builder.net