

## AlumoGrit Cast Aluminum Nosings

Wooster Products, AlumoGrit® cast aluminum nosings are manufactured with abrasive grit integrally cast into the surface. Coupled with well-defined cross-hatching and fluting, this grit ensures long-lasting anti-slip protection. These durable nosings can be used in indoor or outdoor installations, in new construction or existing structures. The product is available in 3, 4, and 6 in. (76, 101, and 152 mm) widths, and in lengths up to 8.5 ft (3 m). Each section includes concealed anchors, and each is shot blasted prior to shipment. They are highly resistant to corrosive environments and can be used in parking garages, exterior stairs, wastewater treatment plants, chemical processing facilities, and other locations where harsh chemicals are often used.

—Wooster Products Inc., [www.woosterproducts.com](http://www.woosterproducts.com)



## SurSpider Intelligent Reinforcing Bar Tier

The SurSpider intelligent reinforcing bar tier can be used to tie reinforcing bars or mesh quickly and efficiently on jobsites, bridges, roading, railways, precast, and infrastructure projects. SurSpider is compact in size and lightweight, making it easier to use for longer periods of time. The 1.5 in. (40 mm) jaw allows the user to easily tie reinforcing bar 1 to 1.5 in. (25 to 40 mm) in 0.7 seconds. The optional 1 in. replacement jaws can tie 0.5 to 1 in. (12 to 25 mm) reinforcing bars, providing versatility without needing multiple guns.

—SurSpider, [www.surspidertool.com](http://www.surspidertool.com)



## Curb Roller Manufacturing Curb Tools

Curb Roller Manufacturing, a provider of shaped concrete roller screeds, offers curb tools that pair seamlessly with the company's Curb Roller CM4000 stock drum profiles. The lightweight, versatile curb tools come in both walking and hand styles. The Curb Roller is a single-operator machine for shaping curb and gutter that, with its stock drum profiles, applies to multiple curb styles.

The walking curb tools attach to a bull float so operators can comfortably finish the project in an upright position. Curb Roller Manufacturing also offers tools with a wooden grip for operators who prefer hand tools.

—Curb Roller Manufacturing, [www.curbroller.com](http://www.curbroller.com)



## Diamond Segmented 2-in-1 Turbo Cut-Off Blade Line

Diablo Tools introduced a line of diamond segmented turbo masonry cut-off blades that provide extreme durability. Compared with conventional blades, they provide up to four times the cutting life and 30% faster cuts in concrete and brick. The blades are designed to fit standard arbor sizes and the X-Lock interface allows tool-free blade changes. Diablo's diamond segmented turbo blades feature a two-in-one design that delivers fast and clean cuts in all masonry materials.

—Diablo Tools, [www.diablotools.com](http://www.diablotools.com)



# Products & Practice

## STIHL AP 500 S

The STIHL AP 500 S uses power-laminate cell technology and features its high-energy density, comparatively low weight, and expected longevity. The AP 500 S can accept up to nearly twice as many charging cycles compared to conventional lithium-ion batteries when properly maintained. Providing a significant increase in service life, AP 500 S offers 40% more power output, 20% more capacity, and longer run times compared to the AP 300 S.

The AP 500 S powers the STIHL AP System and is designed for professional users. It provides an outstanding power-to-weight ratio, packing 337 watt-hours of energy at 4.2 lb (2 kg). Built into the AP 500 S, STIHL Connected gathers battery data and sends information via Bluetooth® to a user's smartphone or other device, allowing for insights on usage and operational status.

—STIHL Inc., [www.stihlusa.com](http://www.stihlusa.com)



## A-1C Dowel Pin Drill

Minnich Manufacturing has redesigned its A-1C dowel pin drill. The A-1CL dowel pin drill is a lightweight, on-slab, high-production drill that offers horizontal, vertical, and 35-degree stitch and skewed drilling positions. The drill is maneuverable but does not include a formal steering system. Weighing 350 lb (160 kg), the A-1CL reaches a maximum drill depth of 18 in. (457 mm) with an under-collar drill steel length of 24 in. (610 mm). The optional Minnich dust collection system can be mounted directly to all Minnich dowel drill units, including the A-1CL for reduced debris on the jobsite and in compliance with OSHA regulations.

—Minnich Manufacturing, Inc., [www.minnich-mfg.com](http://www.minnich-mfg.com)



## Web Notes

### Miller & Long's New Website Celebrates 75 Years in Concrete

Miller & Long Co., Inc., a structural concrete provider, launched a new corporate website showcasing the company's 75 years in business. Established in 1947, the company grew from a small operation into a prominent concrete construction company in the Mid-Atlantic region of the United States. Timed to mark the diamond anniversary milestone, the website introduces a contemporary design and all-new content. The site highlights the company's rich history and expertise. It also features Miller & Long's commitment to safety and ongoing community engagement. More than 20 projects are showcased—many of which form the modern skylines of the greater Washington, DC, USA, area.

—Miller & Long Co., Inc., [www.millerandlong.com](http://www.millerandlong.com)

### Concrete Reinforcing Steel Institute Launches New Website

The Concrete Reinforcing Steel Institute (CRSI) announced the launch of its new website and continuing education platform (Rebar U). The public site has been redesigned, and Rebar U upgraded, to provide a better overall user experience. The website features a reconfigured layout and improved navigation to expedite information searches. As part of the overhaul, CRSI also changed association management systems. The new membership system provides users with an enhanced ecommerce solution and members-only dashboard. It is also better integrated with the upgraded Rebar U website for seamless transitions from one platform to the other. The sites are built with responsive design to automatically reformat the display for mobile, tablet, and desktop devices. Visit <https://learning.crsi.org/catalog> for the Rebar U course catalog.

—Concrete Reinforcing Steel Institute, [www.crsi.org](http://www.crsi.org)

## Products & Service Literature & Videos

### **Concrete Pavement's Role in a Sustainable, Resilient Future** by American Concrete Pavement Association (ACPA)

*Concrete Pavement's Role in a Sustainable, Resilient Future* synthesizes

research on concrete pavement's contributions to economic, environmental, and social sustainability. As part of the organization's role in educating decision-makers who are involved in the placement and rehabilitation of roadway, highway, and airfield pavements, the ACPA is providing the white paper to assist those decision-makers as they are challenged to meet ever-increasing levels of sustainability.

*Concrete Pavement's Role in a Sustainable, Resilient Future* provides an overview of sustainability and sustainability's relationship to resilience. Designing with the life cycle in mind can help ensure that pavements enhance all three categories of sustainability: economic, environmental, and social.

This free resource can be downloaded at [www.acpa.org/sustainability-white-paper](http://www.acpa.org/sustainability-white-paper).

—American Concrete Pavement Association, [www.acpa.org](http://www.acpa.org)



## Book Notes

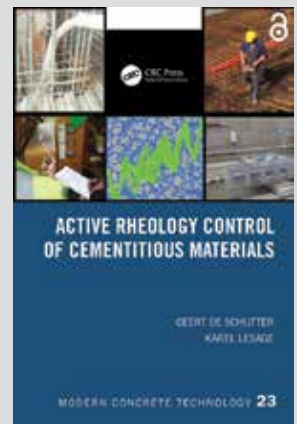
### **Active Rheology Control of Cementitious Materials** by Geert De Schutter and Karel Lesage

This book reports on cutting-edge research within the field of active rheology control of cementitious materials, presenting new ideas developed within the ERC Advanced Grant Project, SmartCast (hosted at Ghent University, Ghent, Belgium), which extends the possibilities of admixtures and additions. The research presented in the book develops a method of actively controlling the rheology of fresh concrete during casting operations by incorporating specially designed responsive components. This results in real-time changes to the rheological behavior of the cementitious material, allowing the user to intervene actively after the cementitious material has left the mixing phase. This newly gained agility contributes to increased processing speed and placement reliability in the case of traditional casting methods and can also facilitate advanced three-dimensional (3-D) concrete printing. The different routes followed to achieve this active rheology control are explained.

The Open Access version of this book is available at [www.taylorfrancis.com](http://www.taylorfrancis.com).

—Routledge, [www.routledge.com](http://www.routledge.com)

298 pp.; ISBN: 978-1-03226-690-9



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# Product Showcase

## Decorative Concrete Products

### Milano Style Collection Tiles

LiLi Cement Tiles announced its newest cement tile collection by Studio Original Designers 6r5 Network, designed by Francesco Roggero. The Milano Style Collection includes five new Italian-inspired designs and 10 color variations. In this collection, modern style meets an age-old technique to deliver quality to a home or business. The Milano Style Collection lineup includes Hi-Fi, a tile with an interlocking chain pattern; Ilio, inspired by the Northern Italian coastline; Lut, an interpretation of the ocean and waves; Throne, a tile with angular spikes to create a royal backdrop; and Tucson, an updated reinterpretation of classic southwestern motifs.



—LiLi Cement Tile Line, <https://lilitile.com>

### Coval Polished Concrete Sealer

Coval Technologies introduced Coval Polished Concrete Sealer (PCS). This sealer will not change the natural beauty of polished concrete while protecting the surface from stains, acids, and oils. Coval PCS is a single component, ultraviolet (UV) stable, and based on nanotechnology. Its application is easy with an acetone-resistant sprayer and a microfiber mop, directly to polished concrete or over an existing guard. The new Coval PCS created surface is cleaned with a wet mop or auto scrubber, reducing floor maintenance time and chemicals. Once applied, Coval PCS will last 2 to 4 years or more, and bonds to itself for easy reapplication.

—Coval Technologies, [www.covaltechnologies.com](http://www.covaltechnologies.com)

### TiltWallFixx TEXTURED

For architects and project owners who prefer a slightly rougher surface, TiltWallFixx™ TEXTURED is a solution. TiltWallFixx TEXTURED contains fine aggregate that can be sponge-finished to achieve the desired finish. It can be applied in thicknesses from 1/16 to 1/4 in. (2 to 6 mm) and feathered to match existing elevations. The working time is 90 minutes for this formulation. The high working time allows workers to coat large areas without having to remix. Because it's durable in wet environments, it can be used in exterior and interior applications. TiltWallFixx TEXTURED can be applied on vertical, overhead, and non-wearing horizontal surfaces. In addition, it is self-curing, which can save time and labor.

—CTS Cement Manufacturing Corp., [www.ctscement.com](http://www.ctscement.com)



### TAKTL Architectural UHPC Façades

TAKTL custom architectural façades are produced using ultra-high-performance concrete (UHPC), a cementitious material engineered for longevity and aesthetic versatility. TAKTL's vertically integrated manufacturing model includes custom mold fabrication and design, allowing the TAKTL team to work with designers on size optimization, macro- and micro-textures built into molds, and varying panel orientations to create dramatic light and shadow effects for optimal aesthetics. The company's professionals help designers and contractors build manufacturing efficiency and cost-effectiveness into their façade projects using a collaborative, early-phase application of optimization software. This process results in efficient production of a variety of element sizes, cut using five-axis saws from larger sheets that are custom manufactured at the TAKTL facility in Pittsburgh, PA, USA.

—TAKTL, [www.taktl-llc.com](http://www.taktl-llc.com)

