

Products & Practice

FLEX-TRED Anti-Slip Tape

Wooster Products Inc.'s FLEX-TRED® anti-slip tapes enhance safety in industrial environments by providing a higher coefficient of friction on the applied surface, whether wet or dry. Many industrial areas can be slippery when wet, and FLEX-TRED tape provides an easy solution. Available in rolls of various widths, standard die-cut shapes, or in custom die cuts to suit specific requirements, this heavy-duty safety surface is easy to install and provides durable pedestrian safety on slippery surfaces. It bends over sharp 90-degree angles without fracture and can be bent repeatedly without cracking or failure of the bond. FLEX-TRED can be applied to scaffolding, ladders, and stairs. It can also be used on brake pedals, platforms, and ladders on aerial lifts, lift trucks, mowers, and other equipment. Wooster has thousands of die-cut patterns in its library, where prospective customers may find an existing pattern close to that desired, thus saving a custom die-cut charge. FLEX-TRED is available in various colors and patterns, including fluorescent colors and NITEGLOW® Glow-in-the-Dark.



—Wooster Products Inc., www.woosterproducts.com

N-Ferno Cold Stress Gear

Ergodyne added new thermal headwear and warming accessories to further bolster the N-Ferno® line of cold stress gear. The launch includes two versatile cap styles, a reflective neck gaiter, and an all-in-one warmer variety pack.

Proactively covering the skin and extremities most vulnerable to frostbite is a huge part of keeping workers safe and productive in cold conditions. Adding more headwear options and warming accessories allows workers an even wider variety of solutions to fit their specific needs.

In addition to the new solutions, Ergodyne is also extending its head-to-toe suite of cold stress gear with a hi-vis orange option of the 6821 balaclava.

—Ergodyne, www.ergodyne.com



STABLE Road

Cellular Concrete Technologies LLC (CCT) introduced STABLE Road™ for road base construction in the United States. The road base uses CCT's CCM-1000 mobile batch plant, Stable Air® foaming agent, and aerator equipment. This equipment and materials are now available to road builders nationwide to lease or subcontract services.

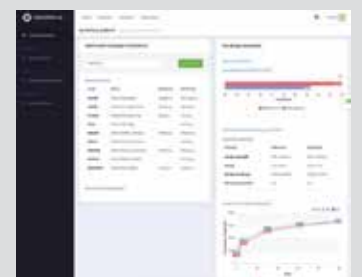
Cellular Concrete STABLE Road base eliminates sand and gravel. This self-leveling base can be easily placed without heavy equipment and is 100% self-compacted. In addition, it can be placed in lifts up to 3 ft (0.9 m). The use of cellular concrete as a base for sidewalks and roads creates an extremely rigid foundation, prolonging the life span of the pavement and reducing maintenance costs. The use of cellular concrete also reduces any damage that dumping and compacting of loose materials may violate and weaken the soil subgrade. This material is easy to use as cellular concrete has a liquid consistency and completely fills all voids in even the roughest excavation.

—Cellular Concrete Technologies LLC, www.cellularconcretetechnologies.com

Data Science Platform

Concrete.ai has launched a beta version of its pioneering data science platform that reduces the cost and embodied carbon intensity (CO₂e) in concrete construction. Concrete.ai's platform delivers reductions in the cost and CO₂e of ready mixed and precast concrete used in construction by applying artificial intelligence (AI) to optimize concrete design and production. The result is a highly optimized, cost-effective concrete that fulfills all engineering and performance characteristics while using locally available raw materials to ensure safety, longevity, and code compliance.

—Concrete.ai, www.concrete.ai



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AI Flow Sensors

Sommer, a specialist in noncontact flow monitoring, introduced a sensor from its RQ family. A standard flow sensor, such as the RQ-30, can be used as a stationary mobile instrument to monitor the water flow of small and large rivers alike. Sometimes, however, a single sensor is not suitable for capturing the water flow correctly. This is the case at Schärding, for example, where the river has a very inhomogeneous flow pattern.

For such applications, Sommer has developed an enhanced flow sensor, the RQ-30d, a multisensor device with the features of the popular RQ-30. It combines a section-by-section approach with artificial intelligence (AI) to meet the most challenging flow conditions.

- Hoskin Scientific Ltd., www.hoskin.ca
- Sommer Messtechnik, www.sommer.at



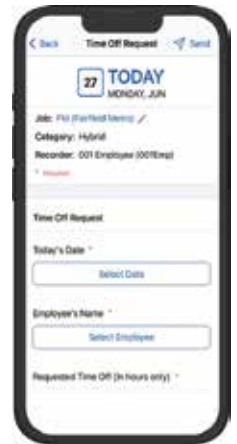
HCSS Forms

HCSS, a provider of innovative software that helps heavy civil businesses streamline their operations, introduced HCSS Forms, a digital forms builder that eliminates paperwork and improves worker productivity. Crews can answer questions online, add photos, generate smart forms, and sign off on forms—all digitally—without manually filling out forms on paper. HCSS Forms is available in the HCSS Field app as an enhancement to both HCSS HeavyJob and HCSS Safety.

HCSS Forms also allows Hybrid Form creation where users can upload a PDF. The software auto-detects the form fields, maps questions, or adds new ones, and then sends the form to the jobsite. Forms can also be created from scratch and customized with company logos and other images. Hybrid Forms are optimized for both phone and tablet views so users can more easily read and fill out the forms with the questions in a simple list.

HCSS Forms provides a signature workflow so users can add as many signature fields as needed. Users can see which signatures have been signed and which haven't. Status updates on unsigned forms are sent to workers, so they know they must sign off on the form. HCSS Forms will offer additional features soon after introduction, including conditional questions where a team will be shown questions based on selected answers.

- HCSS, www.hcss.com



Web Notes

Precast Protects Life Website

The Precast/Prestressed Concrete Institute's (PCI) new Precast Protects Life website provides a wide array of information and resources about precast concrete's resilient properties. Visitors have instant access to videos, case studies, articles, and webinars explaining how precast concrete is a resilient, durable, and flexible building material.

The home page is broken down into four segments: adaptability, resiliency, life safety, and life quality. Other pages allow users to learn the features of precast concrete components and to find PCI-member-certified plants.

- The new website can be found at www.pci.org/howprecastbuilds/precast-protects-life.
- The Precast/Prestressed Concrete Institute, www.pci.org



Tingley Pilot G2

Tingley Pilot G2™ knee boots are perfect for working in wet, muddy conditions. These general-purpose polyvinyl chloride (PVC) boots provide all-day protection. The Composite Safety Toe Boot meets ASTM F2413 M/I/C and does not transfer cold or set off metal detectors. The self-cleaning cleated outsole spits out debris as you walk, ensuring excellent traction on outdoor surfaces.

Built with an injection-molded construction for 100% waterproof protection, these boots feature a 15 in. (381 mm) height with a cutline at 12 in. (305 mm) for fast and clean height modification.

—Tingley, www.tingleyrubber.com

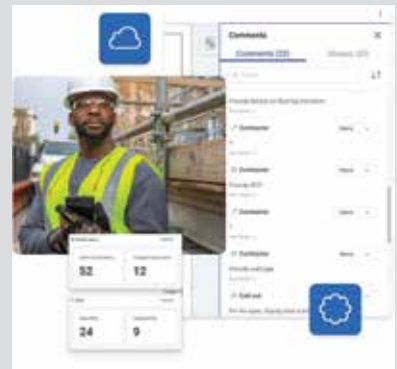


Bluebeam Cloud

Bluebeam, Inc., a developer of solutions and services for architecture, engineering, and construction professionals worldwide, released Bluebeam Cloud, a suite of mobile and browser-based solutions available globally as part of new subscription plans. Bluebeam Cloud features a powerful, flexible Markup Editor for marking up, commenting, and collaborating on project documents, and Field Tools for the management and tracking of punch, request for information (RFI), and submittal workflows. These browser and app-based mobile solutions work with existing Bluebeam markups, tool sets, and documents, allowing project data to remain accessible to team members in the office and on the jobsite.

Designed to address the evolving needs of modern hybrid workplaces, Bluebeam Cloud and Bluebeam's desktop-based solution Revu are being bundled and offered together as subscription plans. Subscribers will also receive unlimited data storage, an entire library of Bluebeam University on-demand training resources, and live global technical support.

—Bluebeam, Inc., www.bluebeam.com



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Product Showcase

Innovative Products



SC1000 Relevation

Spider, part of BrandSafway's Motorized Manufacturing Group, introduced the SC1000 Relevation™, a UL-Listed, battery-powered traction hoist. Based on the Spider SC1000 hoist platform, the SC1000 Relevation features a portable, rechargeable lithium-ion battery with enough power for 3 hours of total travel time (up and down combined) at its rated 1000 lb (450 kg) load capacity. A five-amp wall charger recharges the battery to full capacity in less than 8 hours. The battery is IP-64 rated and has been tested and approved for operation at temperatures from -4 to 140°F (-20 to 60°C).

—Spider, www.spiderstaging.com

Surface Grinder 530

Brokk, a manufacturer of remote-controlled demolition robots, added the Brokk Surface Grinder 530 (BSG 530) attachment for material removal, such as paint and asbestos, and surface preparation and polishing on walls, floors, and ceilings in renovation and restoration applications. Compatible with the Brokk 170, Brokk 200, and Brokk 300, the BSG 530 allows contractors to tackle a range of previously labor-intensive projects up to 10 times faster. Pairing the surface grinder attachment with Brokk's remote-controlled operation also offers greater worker safety over manual methods.

—Brokk, www.brokk.com



SmartMix

SmartMix™ from Giatec® is a mixture management, automated mixture analytics, and reporting software, enabling producers to optimize their concrete mixtures in real time to reduce cement use and mixture cost.

Ready mixed concrete producers design concrete mixtures based on limited data and visibility into the quality variations of raw materials and external factors. This can lead to overdesign of the concrete mixture by adding excess cement to prevent potential performance issues.

Using Giatec's artificial intelligence (AI) algorithm created for concrete testing, and the SmartMix Marcotte MBatch integration, concrete producers can predict concrete properties and proactively detect anomalies in concrete performance, testing, and strength.

—Giatec Scientific Inc, www.giatecscientific.com

Linarc

Linarc, Inc., a collaborative project management platform in the construction industry, has launched Linarc, an all-in-one project management solution. Linarc solves the daily challenges that owners, design teams, and contractors confront while driving projects to completion.

Linarc has built-in features that provide everything you need to manage construction projects successfully in a single, intuitive, easy-to-use platform. In addition, Linarc is an open application programming interface (API) and integrates easily with standard project management solutions, enterprise resource planning systems, and other software for seamless accounting and transparency.

—Linarc, Inc., www.linarc.com

