

# Products & Practice

## Aqua Cutter 450V

Combining the compact size of the Aqua Cutter 450A with the versatility of the 750V, the Aqua Cutter 450V features a tower system that extends its reach up to 4 m (13 ft). This makes it ideal for confined spaces, vertical shafts, and other applications where both reach and maneuverability are essential. It incorporates the Evolution 3.0 control system and the Infinity oscillation system, among other features, and handles reaction forces up to 1400 N (315 lbf), making it effective in confined spaces without compromising performance. The 450V cleans and descales reinforcing bar without causing microfractures, ensuring structural integrity. It can be used in horizontal, vertical, and overhead applications. It is also electric-powered, making it suitable for urban hydrodemolition projects and other environments where zero emissions are required.

—AquaJet, <https://aquajet.se>



## MAX USA TWINTIER RB823T

RB823T is the newest addition to MAX USA's TWINTIER® platform. Designed to tie various reinforcing bar combinations simultaneously, from No. 7 x No. 7 up to No. 14 x No. 14 or No. 18 x No. 18, the RB823T expands the capabilities of the TWINTIER lineup. Built for tough jobsites, the RB823T delivers approximately 0.5-second tying speeds, maximizing productivity without sacrificing tie strength or consistency. Weighing 6 lb (3 kg) with the battery, the tool offers performance in a compact and maneuverable design, making it a solution for large-scale reinforcing bar tying. With its large jaw size, applications can include footings, caissons, drill shafts, columns, cell phone towers, water treatment plants, and binding reinforcing bar/cables. The RB823T can complete approximately 4100 ties per charge depending on the reinforcing bar combinations. Powered by a 14.4 V lithium-ion battery, it can reach 80% capacity in 60 minutes and 100% capacity in 80 minutes—minimizing downtime and keeping crews moving. The RB823T comes equipped with a battery, charger, belt hook, and a durable plastic carrying case.

—MAX USA Corp., [www.maxusacorp.com](http://www.maxusacorp.com)



## Multiquip MC3PBAT Mix-N-Go

The MC3PBAT battery-powered Mix-N-Go Concrete Mixer features a zero-emissions and rechargeable battery drive for both the equipment rental and DIY markets. Developed to meet the demands of construction sites while adhering to eco-friendly standards, this mixer is built for efficiency, convenience, and environmental responsibility. Contractors can expect a runtime of 3.5 hours when fully charged and loaded with three 80 lb (36 kg) bags of concrete mixture. Designed with durability in mind, the MC3PBAT Mix-N-Go features a polyethylene drum designed for easy removal of dried concrete. Complementing this is a heavy-duty steel frame that supports the motor and battery assembly and ensures stability and longevity. Its design includes a pedestal assembly, facilitating the dumping of material into a wheelbarrow. Moreover, equipped with standard pneumatic tires, the mixer can also be used as a wheelbarrow for maneuverability around the jobsite.

—Multiquip Inc., [www.multiquip.com](http://www.multiquip.com)

# Products & Practice

## KNAACK Armoured Transport

KNAACK® Armoured Transport™ is built for mobility and durability for any jobsite terrain. This heavy-duty security transport system on wheels was designed for any professional who needs to transport, access, and secure their construction tools, equipment, and materials through various stages of construction. With its 8 in. (203 mm) rubberized wheels, it can tackle common obstacles like loose gravel, reinforcing bar, and electrical cords. The wheels also feature heavy-duty ball bearings, a sturdy wheel frame, and an industrial-grade mounting plate. The tall height of the KNAACK Armoured Transport, combined with an ergonomic handle, alleviates user fatigue, reduces back strain, and provides a more elevated work platform on top. It also features a payload rating of 750 lb (340 kg). The KNAACK Armoured Transport assembles in under 10 minutes, including integrated 16-gauge steel panels with lockable doors.

—KNAACK, [www.knaack.com](http://www.knaack.com)

## Simpson MASOZ Mud sill Anchors

MASOZ™ mudsill anchors are designed for factory construction of sheathed wall panels. Like the MASA anchor line, the MASOZ connectors provide an efficient alternative to traditional cast-in-place anchor bolts. Their smart design, specific to offsite installation, eliminates the need for a separate crew to drill and set anchors after wall panels are in place, and the need for additional blocking and connectors when used over sheathing. MASOZ is installed on the inside of the form board, allowing panels to be placed without the hassle of aligning sill plate holes with protruding anchor bolts. With strategic nail hole and bend-line locations, the versatile design allows MASOZ anchors to work with up to 1/2 in. (13 mm) thick sheathing in flush or overhanging conditions, and F1 loads compare to code-prescribed 1/2 in. anchor bolts. Form-board alignment features, a compound bend at the intersection of the top of the form board and concrete, along with notches at the outside edge, provide for more intuitive installation. Two options are available: the standard MASOZ for installation on standard form boards, and the MASOPZ™ for panelized forms. The 16-gauge-steel MASOZ products have a ZMAX® coating for increased corrosion protection.

—Simpson Strong-Tie Company, Inc., [www.strongtie.com](http://www.strongtie.com)



## W. R. MEADOWS PENTREAT 244-40 OTC

PENTREAT 244-40 OTC is a penetrating, 40% active silane sealer that inhibits water and chloride-ion penetration in concrete and masonry structures. It is a hydrophobic, impregnating sealer that helps prevent chloride-induced corrosion of reinforcing bar, scaling, spalling, freezing-and-thawing damage, and other causes of debilitating concrete. It is designed for use on horizontal and vertical, new and existing concrete and masonry above-grade surfaces. Suitable applications include residential, commercial, industrial, and municipal projects. PENTREAT 244-40 OTC can be used on all types of concrete, including parking structures, stadiums, driveways, plazas, patios, walkways, median barriers, bridge decks and piers, ramps, traffic-bearing concrete, marine structures, and loading docks.

—W. R. MEADOWS, INC., [www.wrmeadows.com](http://www.wrmeadows.com)

## Ergodyne Winter Work Gear

Ergodyne's line of winter work gear includes the Winter Skull Cap with Rechargeable LED Light, Winter Bump Cap Beanie, and Reflective Balaclava. The skull cap is a thermal beanie that keeps workers warm while providing built-in lighting for dark winter workdays. The bump cap beanie is a dual-function thermal beanie with a removable bump cap insert, offering both warmth and protection against worker-generated impacts. The balaclava is a versatile three-in-one face, head, and neck covering with reflective detailing for visibility in low-light or whiteout conditions.

—Ergodyne, [www.ergodyne.com](http://www.ergodyne.com)



## Crescent SITERUNNER Folding Jobsite Cart

The SITERUNNER Folding Jobsite Cart carries up to 300 lb (136 kg) of tools and materials throughout a day on the job. SITERUNNER also serves as a mobile workstation, allowing users to bring their work with them while moving through the jobsite. At the end of the day, it folds into a truck or work vehicle for convenient storage between jobs. The integrated tool strap allows for users to quickly attach essential tools, while heavy-duty swivel casters and ergonomic palm-grip handles allow for movement through tight spaces. SITERUNNER was awarded the 2025 Pro Tool Innovation Award in the Rolling Jobsite Storage category.

—Crescent®, [www.crescenttool.com](http://www.crescenttool.com)

## Brokk Carries FIRSTGREEN Products

Brokk Inc. is now a dealer for FIRSTGREEN Industries' electric, zero-emission, and low-noise loaders. Brokk will carry the full line of FIRSTGREEN products, including:

- The MiniZ 400—A compact, remote-controlled tracked loader. Small enough to fit through a standard doorway, the MiniZ 400 is ideal for interior demolition clean-up;
- The Rockeat Line—Low-profile, cabinless, electric skid steers with a loading capacity up to 2646 lb (1200 kg);
- The Elise Line—Compact, but large-capacity machines that are battery-operated and feature a cab; and
- The CBL Line—An Elise-built cabinless for a lower profile and for hazardous environments.

All FIRSTGREEN loaders feature lithium or lead-acid batteries that can last up to 6 hours of continuous use. Batteries can also be “hot-swapped” to continue working with minimal downtime. Like Brokk, FIRSTGREEN offers a variety of attachments to ensure machine versatility. Attachment options include a four-in-one bucket, concrete mixer, pallet forks, auger, and more.

—FIRSTGREEN Industries, <https://first.green/en>

—Brokk Inc., [www.brokk.com](http://www.brokk.com)





# Product Showcase

## Admixtures

### Euclid Chemical PLASTOL RX10

PLASTOL™ RX10 is a mid/high-range water-reducing and plasticizing admixture engineered for sustainability and performance. Using polycarboxylate technology, PLASTOL RX10 improves workability retention while enabling water reduction, helping conserve resources without compromising quality. Designed for compatibility with Type IL cements and supplementary cementitious materials (SCMs) such as fly ash and other pozzolans, PLASTOL RX10 promotes environmentally responsible concrete mixtures. Its multi-range dosage capability supports a variety of applications, reducing the need for multiple admixtures and minimizing material waste. By enhancing finishing characteristics and mixture cohesion, PLASTOL RX10 delivers durable concrete that meets modern construction demands. Free of added chlorides or corrosion-promoting chemicals, it provides long-term protection for reinforced structures, even in challenging environments.

—The Euclid Chemical Company, [www.euclidchemical.com](http://www.euclidchemical.com)



### Universal Matter Genable Concrete

Genable™ Concrete is a graphene-based admixture that boosts concrete strength at both early and late ages. This technology supports sustainable construction practices by enabling reduced cement content in concrete mixtures without sacrificing compressive strength. The chemistry of Genable Concrete facilitates improved cement hydration, which is key to its strength-enhancing effects. Genable Concrete meets the ASTM C494/C494M, “Standard Specification for Chemical Admixtures for Concrete,” requirements for Type S, specific performance, admixtures. Its ability to maintain compressive strength with lower cement content translates to reduced carbon dioxide (CO<sub>2</sub>) emissions from cement production, making Genable Concrete a tool for lowering carbon footprint. It also enhances the workability of high-performance concrete mixtures and permits higher replacement levels of SCMs.

—Universal Matter, [www.universalmatter.com](http://www.universalmatter.com)

### Alchemco enDuratite

enDuratite™ Crystalline Admix is a permanent waterproofing admixture that seals present and future cracks up to 1/64 in. (0.4 mm). When added to concrete or mortar, insoluble crystals are formed and developed in the water-bearing capillaries of the mixture. This blocks the passage of water, ensuring permanent water tightness throughout the life of the structure. enDuratite Crystalline Admix can also be used in production of waterproofing mortars and surface applied slurry systems. Moisture and lime within the mixture combine with the active chemicals in the enDuratite Crystalline Admix to create a continuous barrier of insoluble crystals which penetrate the capillary structure of the concrete. These capillaries and interstices are blocked to the passage of water, while permitting the transmission of air and water vapor, enabling the structure to breathe. The crystalline development is usually sufficient to provide full waterproofing properties approximately 7 to 10 days after placement. Crystalline action is reactivated by contact with water, providing long-term additional protection. The admixture features no volatile organic compounds (VOCs). enDuratite Crystalline Admix is equally effective against both negative and positive water or osmotic pressure, and it does not require future reapplication.

—Alchemco®, <https://alchemco.com>



## Basilisk SHA Healing Agent

Basilisk SHA Healing Agent is a bio-based granular additive that converts conventional mixtures into self-healing concrete. It autonomously fills and repairs crack with widths up to 1 mm (0.04 in.) with limestone formed in-place, while also reducing the need for membranes or coatings and avoiding pre-handover injection work on early cracks. It enables acceptance of larger crack widths and, on average, up to around 40% reduction in shrinkage reinforcement. Its combined effects—less reinforcement, no membranes, and longer design life—support between 30 to 50% CO<sub>2</sub> footprint reduction. Its typical applications include floors and parking decks; wastewater treatment plants; airports, ports, and maritime structures; tunnels and bridges; basements and diaphragm walls; and liquid-containing reservoirs, residential building balconies, and pool decks.

—Basilisk Self-Healing Concrete, <https://basiliskconcrete.com>

—Restoration Partners LLC, [www.restorationpartnersllc.com](http://www.restorationpartnersllc.com)



## ACI Resources for Concrete Specifications & Field Reference



### Specifications for Concrete Construction

Ensure quality and consistency in concrete construction with ACI 301-20, the go-to specification for architects and engineers.



### Field Reference Manual

Get the ultimate job site companion with ACI MNL-15(20) – the ACI Field Reference Manual featuring ACI 301-20 and other essential guides.

[concrete.org](http://concrete.org)



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