

Product Showcase

Repair Products

NRI Titan Carbon Fiber Structural Repair System

NRI Titan™ 218 structural repair system is comprised of biaxial carbon fiber fabric saturated with NRI Titan Saturant Epoxy. The system was designed to conform with guides prepared by ACI Committee 440, Fiber-Reinforced Polymer Reinforcement, for nonmetallic composite reinforcing for concrete. The Saturant Epoxy System is a two-part, 100% solid epoxy system for use in a variety of environments. Titan 218 can be used for applications such as structural reinforcement, containment and shear reinforcement, bridge column repair, pile repair, and seismic retrofitting and is resistant to high temperatures and chemicals.

—Neptune Research, Inc.,
www.neptuneresearch.com



Grace De Neef Waterstops

The Grace De Neef line of waterstops can be used for general construction, tunnels, civil engineering projects, precast concrete elements, and other water-stop applications. The De Neef line features:

- SWELLSEAL® hydrophilic strips that swell upon contact with water. These molded rubber or thermoplastic strips are engineered to seal joints when exposed to wet and dry cycles throughout the life of the structure;
- The INJECTO® waterstop system that allows for injection of a polyurethane or acrylate resins into a specific area after the construction is completed. Permeable hoses are installed into cold joints prior to the concrete placement and then injected with polyurethane grout after the concrete has had an opportunity to cure. The resin is then pumped into the hose and flows out of the hose jacket to seal cracks, voids, and other potential water leak paths throughout the concrete cold joint for the entire length of the hose. Injecting the resin after concrete has cured allows for the cracks created by the natural process of concrete shrinkage to develop before being sealed; and
- The TRIOJECT™ system that works in the same manner as the INJECTO System with the added benefit of having three separate injection channels to accommodate three instances of resin injection over the life of the structure.

—Grace, www.grace.com



Wirtgen W 250i

Wirtgen introduced W 250i, a cold milling machine for large pavement restoration projects. It has a standard width of 7 ft 3 in. (2.20 m) but can be equipped with additional milling drum units for working widths of 8 ft 2 in. (2.50 m), 10 ft 2 in. (3.10 m), 11 ft 6 in. (3.50 m), 12 ft 6 in. (3.80 m), and 14 ft 5 in. (4.40 m). The W 250i can remove asphalt layers with a milling depth of up to 14 in. (350 mm) and hard concrete surfaces at a high advance rate. It includes the WIDRIVE machine management system, which has three selectable milling drum speeds of 1600, 1800, and 2000 rpm. The operator can set the milling drum speed from the operator's platform.

—Wirtgen GmbH, www.wirtgen.com

Product Showcase



General Equipment CS8 Random Crack Saw

General Equipment Company CS8 Random Crack Saw is designed for following and cutting irregular crack patterns in asphalt and concrete surfaces. The saw uses an 8 in. (203 mm) diameter, dry-cut center-mounted diamond blade that offers maneuverability to produce a smooth-sided cut for proper crack-filling procedures. Power is supplied by a 13 hp (9.2 kw) Honda GXV390, 4-stroke engine equipped with a Cyclone® type air filter system for protection against dust contamination. The maximum cutting width is 0.5 in. (13 mm) and the maximum straight-line cutting depth is 1.5 in. (38 mm). The CS8's center-mounted blade configuration lets the machine pivot about its own axis to more easily follow random crack patterns, which helps maximize blade life by minimizing undercutting. Other standard features include an infinitely adjustable blade-height control, Quik-Pitch™ blade engage/disengage lever, and an integrated dustpan.

—General Equipment Company, www.generalequip.com

Bosch Dust Extraction System

Bosch introduced portable 9 and 14 gal. (34 and 53 L) vacuums that increase dust extraction with higher air exchange rates. The vacuums decrease the loss of suctioning by offering two options of on-board filter cleaning: semi-automatic and automatic.

These options are important in applications that require premium dust extraction such as tuckpointing, concrete surfacing, concrete drilling, cutting and chipping concrete, and collecting dust particles in stationary workshops. The VAC090A and VAC140A self-clean the flat pleated filter through a reverse airflow every 15 seconds during operation without compromising performance. The VAC090S and VAC140S use a similar cleaning process and include a module on the hose that allows the user to cut off suction and activate the filter cleaning.

—Bosch, www.boschtools.com



CS Unitec Surface Preparation Tools

CS Unitec's concrete preparation tools are engineered for long service.

- Concrete scabblers are designed for heavier applications such as fast concrete removal and demolition, or preparation of concrete cracks for repair. CS Unitec's handheld pneumatic scabblers provide up to 7200 blows per minute to expose aggregate for proper application of new materials, such as textured finishes and dampproofing coatings;
- Multi-head floor scabblers are for concrete keying, laitance removal, and leveling high spots. The 11-head MHS 11 floor scabbler provides 24,000 light blows per minute to protect the primary substrate. The 5-headed MHS 5 offers 6500 blows per minute, quickly leveling high spots, breaking down hard coatings prior to blast cleaning, texturing, and roughening for sealant and overlay protection;
- Floor scarifiers and floor planers are ideal for keyed and grooved profiles on concrete for dampproofing and nonslip surface applications. CS Unitec's Trelawny™ Floor Planers are new additions; and
- Grinders remove epoxy, paints, and other hard coatings from small- to medium-sized surfaces. CS Unitec offers four varieties of low-vibration handheld and walk-behind grinders with dust extraction capabilities. The 7 and 9 in. (178 and 228 mm) models come with 20 amp motors.

—CS Unitec, www.csunitec.com

