



By Kate Hamilton
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Think Green with Pavements

As a sustainable construction method, pervious concrete provides stormwater management and pollution control. This open-graded material is made of cement, coarse aggregate, admixtures, and water. Proper placement and compaction techniques are needed when placing pervious to achieve the overall drainage desired. For small jobs, it may be possible to strike off the work by hand or with a small roller screed. Larger project may need multiple passes with a roller, vibratory, or laser screed, as well as proper moisture control. Whether a parking lot, alleyway, or city street, employ the right tools for the size of the job.

Versatile Screed

The Lightning Strike screed system and its previous concrete finishing tools meet the needs of permeable pavement jobs. Riser wheels attach to both ends of the screed to elevate the system 1/8 in. above the pour. Add riser wheel rings for 3/8- or 5/8-in. elevation to adjust the height per contractor specifications.



Attach an adjustable curb runner where pervious is placed next to a curb for a 0- to 12-in. elevation. Lura Enterprises Inc. 701-281-8989. www.luraconcretescreed.com.

Pervious Head Attachment

The Pervious Head attachment for the SXP-D Laser Screed is designed specifically for the unique characteristics of pervious concrete to ensuring rapid and even placement with one pass. The pervious head includes a plow to move excess material, an auger



and spinning rollers to cut the concrete to the desired compaction, a floating/compacting rollers that knocks down and smooths the surface of any standing aggregate left behind the spinning roller, and a spray bar that coats the floating roller with release agent after each screeded pass to prevent the concrete from sticking. Somero Enterprises Inc. 800-314-8933. www.somero.com.



Rolling Edger

The constraints for installing pervious concrete flatwork allow very little time for edging. The Rolling Edger was developed as the quickest and easiest way to edge pervious flatwork. The company also offers joining tools with interchangeable cutters up to 2 1/2 in. in depth. Bunyan Industries. 800-228-6926. www.bunyanusa.com.

Slipform Paver

Accomplish high-production slipforming of pervious concrete with GOMACO paving equipment. Pervious molds are available for all models, including the RTP-500 rubber-tracked placer. When equipped with a pervious screed, the paver can be used on a number of projects, including parking lots and alleys. GOMACO Corp. 712-364-3347. www.gomaco.com. **CC**



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www.concreteconstruction.net/freeinfo.