Interlocking Concrete Pavers & Permeable Interlocking Concrete Pavers

DURABILITY

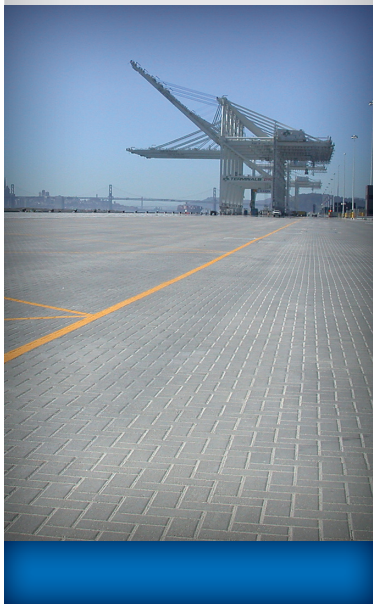
Don't Compromise on Your Next Design

Benefits

- Reduced pavement maintenance and replacement
- High density pavers resist deterioration from deicing salts
- Durable and superior physical properties of pavers provide longer pavement life

Advantages

- In commercial or vehicular applications, unit concrete pavers provide proven durability
- ICP and PICP are not subject to crumbling



Solutions

Tired of re-sealing blacktop parking lots or repairing spalling concrete? Interlocking concrete pavers are the perfect solution, made to withstand harsh conditions and cold weather better than asphalt.

Concerned about unsightly cracking of poured or stamped concrete? Concrete pavers have high compressive strength, low water absorption, and excellent freeze-thaw durability. And expansion joints are not needed in this pavement system.

Interested in long-term durability? What level of durability is needed in your design? Limit your exposure and don't risk a commercial design by specifying a pavement surface without proven durability. Leverage the density and strength of concrete pavers to ensure the longest design life possible.

Do you need a sturdy pavement surface that is skid resistant and stable? If you are looking for a surface that can handle pedestrian and vehicular traffic, then avoid the smooth, slick surfaces on other materials. Go with interlocking concrete pavers with chamfers offering unique macro-texture that benefits skid resistance and can reduce braking distances. Chamfers also help channel water away from the pavement surface. Bottom line: concrete pavers increase safety due to their slip and skid resistance.

What is the life expectancy of interlocking concrete pavement? Conventional pavement design life is typically 20 to 25 years, and traditional asphalt pavement requires regular resurfacing. Interlocking concrete pavers can meet or exceed conventional pavement design criteria. Eliminating re-surfacing lowers the life cycle cost of the pavement.

What about repairs? Interlocking concrete pavers are designed to be removed and the same unit reinstated. Utility repairs are made easy with a flexible pavement system, and best of all, the repaired area is ready for immediate use, no need to wait for curing.

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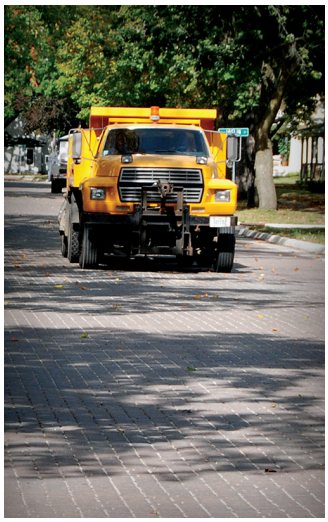

Features

Manufactured in accordance with ASTM or CSA standards before they arrive at the job site. Concrete pavers to have a minimum average compressive strength of 8,000 psi. They must have maximum average absorption of 5% and in cold climates they must meet freeze/thaw durability standards. There are other requirements addressing dimensional tolerance and minimum thickness. Get the test results up-front and rest assured the product is durable and will perform as designed.

A variety of shapes, textures, and sizes are available. Whether you're looking for symmetry, random patterns, or a unique design, utilizing concrete pavers presents almost unlimited artistic license. And best of all, they are manufactured to meet ASTM or CSA standards before installation.

Different thicknesses are required for different applications. This is important for vehicular or roadway applications, compared to pedestrian plazas and walkways. Use the right concrete paver size and thickness for the application.

References

ASTM C936 *Standard Specification for Solid Concrete Interlocking Paving Units*, 2013.

Life Cycle Cost Management of Interlocking Concrete Block Pavement, Methodology report, February 5, 2008, Interlocking Concrete Pavement Institute.

CSA A231.2 *Precast Concrete Pavers,* Canadian Standards Association, 2014.

"Interlocking concrete pavements are a logical choice for commercial applications because concrete pavers provide a hard and durable surface not subject to surface deformation."

–David Hein, P.Eng., VP of Transportation, Applied Research Associates, Inc., Toronto, ON

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