ICPI BOOKSTORE

The Only Concrete Paver Resource for Design Professionals, Contractors, Manufacturers and Developers.

Software, Design Manuals, Marketing Brochures, Design Idea Books, Case Studies, Technical Guides and More

ICPI publications provide state-of-the-art methods for design, construction and maintenance of interlocking concrete pavements.

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See inside
New items for the industrial, commercial, institutional, & municipal markets!
## Permeable Pavement Resources


The best-selling PICP manual is now completely revised and expanded from 60 to 90 pages. With over 60 color illustrations, figures and tables, this updated edition draws from a wealth of current permeable pavement research on stormwater management, structural design, and performance. The manual is a key resource for design professionals, plus stormwater and transportation government agency staff who support low impact development and green streets/infrastructure using permeable pavement. Since its first publication in 2000, the book remains the industry consensus on PICP and a valuable resource for this rapidly growing pavement system. ISBN 978-1-4507-8440-5

**76602 – Member: $18.00**

**76601 – Retail: $36.00**

**Purchase the PICP Manual and the Permeable Design Pro software together!**

(See Software section on page 7 for the Permeable Design Pro software product description.)

**78502 – Member: $24.00**

**Retail: $48.00**

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**Project Profiles—Permeable Interlocking Concrete Pavements**

Eight permeable interlocking concrete pavement projects across North America demonstrate that permeable pavements work in practically all climates and soils while addressing local, state and national mandates to reduce runoff and water pollution.

**77902 – Members Only: Pack of 10 – $12.50**

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**Permeable Pavement Comparison Brochure**

Compares similarities and differences among permeable interlocking concrete pavement, pervious concrete and porous asphalt.

**77100 – Members Only: Pack of 10 – $12.50**

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**PICP Fact Sheets**

Four, 4-page fact sheets developed by the Low Impact Development Center and ICPI, for design professionals, developers, municipalities and schools/universities. Great leave-behind publications for presentations.

**Members Only: Pack of 10 – $12.50**

**78801 – Design Professionals**

**78802 – Developers**

**78803 – Municipal Officials**

**78804 – Universities**

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**Stormwater Runoff Solution: Permeable Interlocking Concrete Pavement Video**

This short video reviews current stormwater management practices and shows how permeable interlocking concrete pavement (PICP) can be used as part of an effective sustainable, low impact development response to today’s stormwater management problem. The PICP video is a great tool to use when visiting design professionals or municipal officials to give them a quick informative introduction to permeable pavement. (4:44 min.)

**78020 – Member: $25.00**

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Marketing Resources
For Institutional, Commercial, Industrial and Municipal Applications

ICIM Fact Sheets
Themed fact sheets which focus on the features and benefits of ICP and PICP to the industrial, commercial, institutional and municipal (ICIM) markets. These sheets are a great tool when presenting to design professionals or municipal officials.

ICIM Fact Sheet–Aesthetics
This fact sheet shows that interlocking concrete pavement (ICP) and permeable interlocking concrete pavement (PICP) provide an attractive pavement compared to a traditional monolithic gray or black pavement.
78901 – Members Only: Pack of 10 – $2.50

ICIM Fact Sheet–Durability
This fact sheet shows that interlocking concrete pavements (ICP) and permeable interlocking concrete pavements (PICP) are a logical choice for commercial applications because concrete pavers provide a hard and durable surface not subject to surface deformation resulting in reduced pavement maintenance and replacement costs and a longer pavement life than other pavement types.
78902 – Members Only: Pack of 10 – $2.50

ICIM Fact Sheet–Sustainability
This fact sheet demonstrates that permeable interlocking concrete pavement (PICP) helps eliminate stormwater runoff and conserves land, while serving as a durable wearing course. Explains how concrete pavers improve the quality of life for an environment and its users and provides sustainable ecological solutions proven to last.
78903 – Members Only: Pack of 10 – $2.50

Case Studies
(Brochures are available in pdf format online at www.icpi.org)

Case Study – Morton Arboretum
Morton Arboretum located in Lisle, IL is the site of a 173,000 sq ft permeable interlocking concrete pavement (PICP) parking lot. The parking lot has proven to be an innovative stormwater best management practice (BMP).
77905 – Members only: Pack of 10 – $2.50

North Bay, Ontario—A Case Study in City Design and Engineering with Interlocking Concrete Pavements
The study reviews the construction of concrete paver streets and sidewalks in North Bay, Ontario. The study is an engineering study of the performance of the streets after eight years of use. Includes 17 photos, plus diagrams & charts.
77904 – Members Only: Pack of 10 – $12.50

Case Study in Engineered Interlocking Concrete Pavement – Hong Kong International Airport
Hong Kong International Airport has 5 million sf (500,000 m²) of concrete pavers, the largest airport installation in the world. This study provides project history, design, construction, detailing and a performance assessment. 31 illustrations, 12 pages.
77901 – Members Only: Pack of 10 – $12.50

Design Excellence at Intrawest Resorts
This study explains how concrete pavers enhance the village concept that organizes transportation, housing and retail activity at Intrawest’s successful resorts. The story focuses on village master planner and landscape architect Eldon Beck and how concrete pavers enhance and enliven his design concepts.
77903 – Members Only: Pack of 10 – $12.50

Municipal Tool Kit Flash Drive
This easy to use flash drive contains ICPI resources for interlocking concrete pavement (ICP) and permeable interlocking concrete pavement (PICP). The tool kit is targeted to reach elected officials (City Manager, Board member, Department Director) who want to access general information on ICP and PICP. The second audience, design professionals (engineers, city engineers) would get both the general information and the technical information. These flash drives are a great selling tool giving design professionals and municipal officials the resources they need to understand and specify ICPs and PICPs in their projects. Available October 1, 2011
78301 – Member: $25.00
Retail: $350.00
NEW!

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Marketing Resources *For residential applications*
(Brochures are available in pdf format online at www.icpi.org)

**Building a Pavement to Last a Lifetime**
This 12 page brochure details a patio construction project. This publication provides homeowners an overview of what to expect during construction of a new paver patio, walkway, driveway, pool deck or entryway.

72500 – Member: Pack of 10 - $12.50
Retail: $25.00

**Choosing the Best Pavement and the Best Installer**
This 8-page guide is designed for homeowners to use in answering questions about interlocking concrete pavement. This guide provides guidance on how to select an installer/contractor and provides a project checklist.

72400 – Member: Pack of 10 - $8.00
Retail: $16.00

**Peak Performance from Concrete Pavers**
This trifold brochure provides tips on preventing stains, weeds, ants and efflorescence. The brochure explains the causes of efflorescence and remedies.

72600 – Member: Pack of 10 – $6.75
Retail: $13.50

**The Paver Trilogy 3 Inspirational Design Guides**

- **Patios, Driveways and Plazas — The Pattern Language of Concrete Pavers**
  This is the first idea book entirely on concrete pavers published in North America. Design professionals, contractors and homeowners will find an endless source of ideas and inspiration for residential and commercial projects. The book explains various paver patterns and how they communicate to users in many kinds of settings. Soft cover, 200 pages, 300 color photos.

75200 – Member: $25.00
Retail: $29.95

- **Backyards & Boulevards — A Portfolio of Concrete Paver Projects**
  The endless possibilities for residential, commercial and municipal applications fill this book with more than 300 pictures demonstrating how paver patterns, colors and textures enhance the smallest backyard patio to the grandest streets, plazas and shopping centers. This book is a source for design inspiration for manufacturers, contractors and design professionals. Soft cover, 200 pages.

75300 – Member: $25.00
Retail: $29.95

- **The Patio Portfolio: An Inspirational Design Guide**
  This masterpiece completes the book series on design ideas by providing a feast of inspiration for the backyard. Celebrating the residential outdoors, the Patio Portfolio showcases more than 200 color photos of large and small backyard projects across North America. Readers will delight in this unique resource. Soft cover, 128 pages.

75400 – Member: $16.65
Retail: $19.95
Instruction Manuals & Guides

**ICPI Concrete Paver Installer Course, 7th Edition Manual**
Curriculum materials for the Concrete Paver Installer course covering soils classification, soil and base compaction, base materials, compaction bedding sand materials and installation, edge restraints, paver installation, paver cutting, maintenance and management, specialty applications, safety, estimating quantities, job layout, job costing and estimating. Student manual is 216 pages and can be ordered in English or Spanish. 8th edition available October 15, 2011.
- Manual in English: 41701 – Member: $30.00, Retail: $100.00
- Manual in Spanish: 41702 – Member: $30.00, Retail: $100.00

**PICP Specialist Course Manual**
Curriculum materials for PICP Specialist Course covering PICP overview and systems, job planning & documentation, job layout, flow & estimating quantities, soil & site characteristics, sub-base & base materials, edge restraints, bedding & jointing materials, paver selection & installation and maintenance.
- 47207 – Member: $50.00, Retail: $100.00

**The Complete Business Manual for Concrete Paver Contractors**
A comprehensive guide on estimating, bidding, people and company management and planning. This book has the keys to business success for all sizes of concrete paver contracting companies. Written by one of the leading consultants to the construction industry, Charles Vander Kooi with Vander Kooi and Associates. The 240-page manual is well-illustrated with forms and diagrams to help run your business successfully—a must for all contractors.
- 75100 – Member: $30.00, Retail: $60.00

Technical Manuals

**Construction Tolerance and Recommendations Guide**
Ideal for contractors and manufacturers as a tool for installation crews, inspectors, landscape architects and other design professionals. The two-sided laminated handout resists wear and tear of job site conditions, and conveniently summarizes industry recommendations for typical interlocking concrete pavements. Tolerances are in metric and imperial, and include references to ICPI, ASTM, CSA and other guide documents.
- 73201 – Members Only: Pack of 10 – $18.00

**Structural Design of Interlocking Concrete Pavement for Municipal Streets and Roadways ASCE/T&DI 58-10**
Interlocking concrete pavers can provide a durable and effective pavement system, but, as with any pavement, proper design, construction, and maintenance procedures are required. This standard, prepared by the ASCE Structural Design of Interlocking Concrete Pavement Committee, establishes guidelines for developing appropriate pavement structures for various traffic and subgrade conditions. The standard guideline provides preparatory information for design, key design elements, design tables for pavement equivalent structural design, construction considerations, applicable standards, definitions, and best practices.
- 76400 – Member: $40.00, Retail: $65.00

**Construction Details and Guide Specifications for Segmental Concrete Pavements**
Seventy-five detail drawings cover pedestrian, vehicular, commercial, municipal, port and airport applications and permeable applications. Drawings include various edge restraints and paving patterns. Conveniently bound print out of CAD details and guide specifications from the ICPI website.
- 76201 – Member: $18.00, Retail: $36.00

**Life-cycle Cost Management of Interlocking Concrete Block Pavements – Methodology Report**
This 54-page report demonstrates that life-cycle costs of interlocking concrete pavement are lower when compared to other pavement types. The report includes pavement performance information from over 80 interlocking concrete pavement sites and notes that the life-cycle of these pavements is close to 30 years. The Methodology Report also provides examples using LCC software for comparing various pavements. The report demonstrates that higher the vehicle loads means (axle loads), the lower life-cycle costs is for interlocking concrete pavements.
- 76801 – Member: $12.00, Retail: $24.00

**Purchase the Methodology Report and the ICP LCC software together!**
(See Software section on page 7 for the ICP LCC software product description.)
- 76803 – Member: $18.00, Retail: $36.00

**Distress Guide for Interlocking Concrete Pavements**
The 50-page guide is the first of its kind in North America and builds on experience with interlocking concrete pavement condition index or PCI survey method developed by the U.S. Army COE and the APWA. Presents eleven conditions for roads and parking lots with high-medium-low severities for interlocking concrete pavement, (e.g. rutting, cracked pavers, joint sand loss, etc.) These conditions are tied to “deduct values” subtracted from a PCI of 100 to assist the user in determining the appropriate PCI value. The methodology considers the interactive effect of several distresses on the PCI value and can be used to compare performance of conventional asphalt and concrete pavements.
- 76804 – Member: $12.00, Retail: $24.00

**Purchase the Distress Guide and the Pavement Condition Index software together!**
(See Software section on page 7 for the Pavement Condition Software product description.)
- 76806 – Member: $18.00, Retail: $36.00

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These presentations have been prepared by ICPI to support continuing education for installers and design professionals. A CD is provided with PowerPoint presentations and printed scripts. Presentations may be offered by manufacturers and distributors who want to provide education to their customers.

CONTRACTOR CONTINUING EDUCATION PRESENTATIONS

ICPI Certified Installers need to collect continuing education credits in order to maintain certification. Manufacturers offer these presentations as a service to contractors in their area, and contracting companies provide these continuing education opportunities to their employees who are certified. All ICPI presentations are approved for ICPI Installer Continuing Education.

Construction of Permeable Pavements
Examines the steps in building permeable interlocking pavements including system components, selection of various types, construction and maintenance best practices with design and layout ideas. V2011
75901 – Member: $25.00
Retail: $50.00

How to Sell and Market Concrete Pavers
Focuses on marketing principles for installers, market analysis and selling strategies. Provides contractors with a wealth of selling ideas. V2011
75902 – Member: $25.00
Retail: $50.00

Estimating Labor and Materials for Segmental Concrete Pavements
Reviews making accurate cost approximations of labor hours, materials, equipment and subcontractor costs for a job. V2011
75903 – Member: $25.00
Retail: $50.00

The Pattern Language of Concrete Pavers
Learn the design vocabulary of basic paving patterns and progress to more intricate variations. The presentation demonstrates that pavers are a form of communication. 78107 – Member: $25.00
Retail: $50.00

Theory of Base Installation
The base sets the table for the rest of the pavement. This course focuses on understanding and preparing the soil (or subgrade) and base material. 75905 – Member: $25.00
Retail: $50.00

Maintenance and Management of Interlocking Concrete Pavements
Learn to identify pavement distresses and remediation for interlocking concrete pavements. V2011
75906 – Member: $25.00
Retail: $50.00

Raised Patio Construction
The construction of raised patios incorporates segmental retaining wall and paver construction methods. This presentation details the steps involved and takes the contractor through the construction of a typical raised patio. Although there are many different possible designs for raised patios, segmental retaining walls and pavers, the principles are consistent from project to project. This presentation will focus on understanding these design and construction principles so that contractors can integrate this awareness into projects and designs. 75907 – Member: $25.00
Retail: $50.00

Bundled Contractor Presentations = 5 Continuing Education Credits
This discounted package of four presentations can be delivered as a one-day program. Certified Installers earn five continuing education credits for participating in all four presentations. Alternatively, the presentations could be offered individually (credits noted below). Instructions, presentation scripts, attendance forms, and certificate templates are included.

- Construction of Permeable Interlocking Concrete Pavements (1.5 CE credits)
- How to Sell and Market Concrete Pavers (1.5 CE credits)
- Estimating Labor and Materials for Segmental Concrete Pavements (1 CE credit)
- Maintenance and Construction of Interlocking Concrete Pavements (1 CE credit)
75900 – Member: $75.00
Retail: $150

SAVE!
Permeable Interlocking Concrete Pavement: A Low Impact Development Training Tool
Four PowerPoint presentations provide a comprehensive explanation of PICP benefits to these four audiences. Subjects covered include reducing runoff and pollutants, ADA compliance LEED® points, public and private infrastructure cost reduction, green infrastructure and low impact development benefits, reduced salt water incursion and combined sewer overflows, reduced air pollution with special surface coatings, plus visual appeal and supports neighborhood and campus identity. The presentations explain these benefits and more through project examples across the U.S. and Canada. Programs are AIA and ASLA registered for one credit of continuing education.
78110 – Member: $100.00
Retail: $200.00

Life-cycle Cost Analysis for Municipal Interlocking Concrete Pavements
Life-cycle cost analysis (LCCA) is growing as a tool to justify municipal pavement investment decisions. An increasing number of cities are considering the long-term maintenance costs of pavements especially now that the future replacement costs for asphalt pavements are likely to be unaffordable. This presentation unpacks life-cycle costing and each input variable. It compares life-cycle costs of asphalt, concrete & interlocking concrete pavements and demonstrates that the latter can excel in LCCA in many situations due to low maintenance costs. This 51-slide program is eligible for one AIA, ASLA CPE or PDHs credit.
78111 – Member: $50.00
Retail: $100.00

Interlocking Concrete Pavement: Asset Management and Pavement Performance Prediction through Pavement Condition Surveys
In a time of limited public resources, a growing number of municipalities use computerized asset management to maintain the permanent infrastructure including water, sewer, lighting, bridges and roads. Asset management is critical to municipal financial accounting that ultimately supports bonding capacity and public reinvestment in urban infrastructure. Pavement condition assessment is one of several tools used to inventory and assess pavement condition and to guide city street construction and maintenance budgets. This presentation explains a well-known pavement condition assessment tool called the Pavement Condition Index or PCI and demonstrates its use with interlocking concrete pavements. This type of tool is important to municipal engineers and infrastructure managers. This 29-slide program is eligible for one AIA CES, ASLA CPE or PDHs credit.
78112 – Member: $50.00
Retail: $100.00

Designing Permeable Pavements with Permeable Design Pro Software
This presentation provides introductory slides to preface a demonstration of Permeable Design Pro software. As you probably know, the program calculates the structural and hydrological design for PICP. The presenter needs to become familiar with the software in order to demonstrate it effectively. This is assisted by several example designs in the software that can be demonstrated to the audience. This is a very hands-on presentation and to make it so, participants should have a copy of the software loaded and ready to run on their laptop computers.
78113 – Member: $50.00
Retail: $100.00
Software

Interlocking Concrete Pavement Structural Design Program
Excel based program calculates base thicknesses for interlocking concrete pavements using the ASCE standard T&DI 98-10, Structural Design of Interlocking Concrete Pavement for Municipal Streets and Roadways.

The easy-to-use program is for maximum of 10 million 18,000 lb (80 kN) equivalent single axle loads (ESALs) and a design vehicle speed 45 mph (70 km/h) or less. The program requires user inputs traffic and soils and provides base and subbase thicknesses. Base and subbase options include unstabilized compacted aggregate, asphalt, and asphalt- and cement-treated materials.

76807 – Member: $10.00
Retail: $20.00

Permeable Design Pro Software
This program integrates hydrological and structural solutions for permeable interlocking concrete pavement (PICP) into one application. The program calculates inflow and outflow from PICP under a variety of design options and base thickness required for supporting traffic. The program is compatible with Windows XP and Vista operating systems.

Developed for ICPI by Applied Research Associates, Inc., the software automatically checks for updates and queries the user for a download. Users always have the current version without additional purchases.

78501 – Member: $10.00
Retail: $20.00

Purchase the Permeable Design Pro software and the PICP manual together!
(See Permeable Pavement Resources section on page 2 for the PICP manual product description.)
78502 – Member: $24.00
Retail: $48.00

Pavement Condition Index Software
This Excel-based software enables users to input conditions and severities from the field and supports the Distress Guide for Interlocking Concrete Pavements. While condition survey forms are provided in the guide, the software includes all deduct values and automatically calculates their interactive result on the PCI value. This spares the user time from doing this calculation manually.

76805 – Member: $10.00
Retail: $20.00

Purchase the Pavement Condition Index software and Distress Guide together!
(See Technical Manual on section on page 4 for the Distress Guide product description.)
76806 – Member: $18.00
Retail: $36.00

Interlocking Concrete Pavement Life-Cycle Cost Software
This is an Excel-based program for comparing life-cycle costs of various pavements. The easy-to-use program allows users to enter initial construction costs as well as maintenance costs at intervening years. Users can also input discount rates in order to calculate the present value (total costs in today's dollars) of various pavement systems. Life-cycle cost analysis can help justify lower maintenance costs associated with interlocking concrete pavement when compared to conventional pavement systems.

76802 – Member: $10.00
Retail: $20.00

Purchase the ICP LCC software and Methodology Report together!
(See Technical Manual section on page 4 for the Methodology Report description.)
76803 – Member: $18.00
Retail: $36.00

Interlocking Concrete Pavement Structural Design Program
ICPI Lockpave v.16
Structural design program on CD for calculating base thickness for parking lots, streets, industrial and port areas. Uses AASHTO and mechanistic analysis. Includes extensive help files. Requires Windows 95 or higher. Windows format only.

78407 – Member: $35.00
Retail: $70.00

NEW!
Stormwater Runoff Solution: Permeable Interlocking Concrete Pavement Video
This short video reviews current stormwater management practices and shows how permeable interlocking concrete pavement (PICP) can be used as part of an effective sustainable, low impact development response to today's stormwater management problem. The PICP video is a great tool to use when visiting design professionals or municipal officials to give them a quick informative introduction to permeable pavement. (4:44 min.)

78020 – Member: $25.00
Retail: $50.00

NEW!
TECH SPEC Series on Concrete Pavers

ICPI Tech Specs provide design professionals and contractors guidance on practically every aspect of design, construction and maintenance of interlocking concrete pavements. ICPI publishes new bulletins periodically, while updating existing ones with the latest developments. Be sure you have a complete set of all the latest editions of this valuable resource.

(Individual copies are available online at www.icpi.org)

Tech Spec 1—Glossary of Terms for Segmental Concrete Pavement
More than 200 terms common to segmental concrete pavement technology. Increases clarity and precision in the use of industry terms. 6 pages (2006).
79701 – Members Only: Pack of 10 – $3.50

Tech Spec 2—Construction of Interlocking Concrete Pavements
79702 – Members Only: Pack of 10 – $3.50

Tech Spec 3—Edge Restraints for Interlocking Concrete Pavements
Presents examples of edge restraints designed to transfer loads to minimize spreading and deformation. 6 pages (2011).
79703 – Members Only: Pack of 10 – $3.50

Tech Spec 4—Structural Design of Interlocking Concrete Pavement for Roads and Parking Lots
Engineering design procedures for determining thicknesses for flexible granular, cement/asphalt-treated, asphalt and rigid concrete bases. Design methods are based on 1993 AASHTO procedures and 2010 ASCE 58-10 structural design standard. Explain the load-spreading characteristics of interlock and demonstrates the structural equivalency of concrete pavers to asphalt. 28 pages. (2011)
79704 – Members Only: Pack of 10 – $13.75

Tech Spec 5—Cleaning, Sealing and Joint Sand Stabilization of Interlocking Concrete Pavement
79705 – Members Only: Pack of 10 – $3.50

Tech Spec 6—Reinstatement of Interlocking Concrete Pavements
79706 – Members Only: Pack of 10 – $3.50

Tech Spec 7—Repair of Utility Cuts Using Interlocking Concrete Pavers
Explains damage from utility cuts to city streets, the costs and how concrete pavers can reduce this damage and related costs. Reports on an innovative use of concrete pavers for winter repairs of utility cuts with concrete pavers and flowable fill in London, Ontario. 6 pages (2001).
79707 – Members Only: Pack of 10 – $3.50

Tech Spec 8—Concrete Grid Pavements
Illustrated booklet on the design and construction of concrete grid pavements over dense- and open-graded bases for stormwater control. Includes design method for open-graded bases and a guide specification. 23 figures, 16 pages (2006).
79708 – Members Only: Pack of 10 – $4.50

Tech Spec 9—Guide Specification for the Construction of Interlocking Concrete Pavement
Follows the three-part, CSI Master Format for specifications. Provides notes for construction over an aggregate base. 6 pages (2007).
79709 – Members Only: Pack of 10 – $3.50

Tech Spec 10—Application Guide for Interlocking Concrete Pavements
79710 – Members Only: Pack of 10 – $3.50

Tech Spec 11—Mechanical Installation of Interlocking Concrete Pavements
79711 – Members Only: Pack of 10 – $4.50

Tech Spec 12—Snow Melting Systems for Interlocking Concrete Pavements
Guidelines on design and installation of liquid and electric snow melting systems under concrete pavers. 9 illustrations, 6 pages (2004).
79712 – Members Only: Pack of 10 – $3.50

Tech Spec 13—Slip and Skid Resistance of Interlocking Concrete Pavements
Includes test methods and slip characteristics of concrete pavers for pedestrian uses and test methods, test data and slip characteristics for vehicular and aircraft. 13 illustrations and charts, 9 pages (2004).
79713 – Members Only: Pack of 10 – $3.50

Tech Spec 14—Concrete Paving Units in Roof Applications
Guidelines for design of pedestrian roof plaza decks and vehicular areas using concrete pavers and slabs. 12 illustrations and charts, 12 pages (2004).
79714 – Members Only: Pack of 10 – $4.50

Tech Spec 15—A Guide for the Construction of Mechanically Installed Interlocking Concrete Pavements
This guide is intended to assist design professionals in the construction specification for the mechanical installation of interlocking concrete pavement. 18 illustrations and charts, 22 pages (2003).
79715 – Members Only: Pack of 10 – $4.50

Tech Spec 16—Achieving LEED® Credits with Segmental Concrete Pavements
79716 – Members Only: Pack of 10 – $12.00

Tech Spec 17—Bedding Sand Selection for Interlocking Concrete Pavements in Vehicular Applications
Bedding sand durability tests and sand selection guidance are provided for design professionals and contractors who design and install interlocking concrete pavements in vehicular applications. 8 pages (2007).
79717 – Members Only: Pack of 10 – $3.50

Tech Specs Binder
This binder contains one complete set of all 17 ICPI Tech Specs in an easy to access format. The 3-ring binder includes front and back cover pockets to insert additional information. The ICPI Tech Spec Binder is a perfect tool to use when visiting design professionals to discuss their interlocking concrete pavement system plans.
79700 – Member: $18.00
Retail: $36.00
**DVDs**

**Stormwater Runoff Solution: Permeable Interlocking Concrete Pavement**
This short video discusses current stormwater management practices and shows how permeable interlocking concrete pavement (PICP) can be used as part of an effective sustainable, low impact development response to today's stormwater management problem. The PICP video is a great tool to use when visiting design professionals or municipal officials to give them a quick informative introduction to permeable pavement.

- **78020 – Member:** $25.00
- **Retail:** $50.00

**Supplement to Concrete Paver Installer Certification Course**
Accompanies the instruction for the Concrete Paver Installer Certification course. It is divided into approximately 10-minute sections that follow the student manual for the course. Each illustrates subjects in the curriculum. 60 minutes.

- **41705 – Member:** $70.00
- **Retail:** $140.00

**Supplement to Concrete Paver Installer Certification Course – Spanish**
Same as 41705 except with Spanish subtitles. 60 minutes.

- **41707 – Member:** $70.00
- **Retail:** $140.00

**Joint Association Resources**

**Concrete Hardscape Standards**
A compilation of 18 ASTM standards pertaining to concrete hardscape products as published July 2008 by ASTM. Includes product specifications and testing methods for segmental retaining wall units (SRWs), interlocking paving units, grid pavers, articulating concrete block (ACBs), as well as soil classification, the standard Proctor density test, aggregates, bases and sub-bases, connection strength between geosynthetic reinforcement and SRWs. 125 pages (2008).

- NCMA Product Code: TRS5NH
- **Members only: Call for price.**
- Order from NCMA at (703) 713-1900 or email publications@ncma.org.

**NCMA/ICPI's eSafetyLine – Online Safety Software**
A comprehensive safety program covering nineteen safety topics including scaffolding, stairways and ladders, hazard communication, fall protection, fire protection and more. This program provides members with OSHA required written programs, documents, forms and recordkeeping capability via the Internet. The software also contains industry-specific safety information needed to operate 67 different pieces of equipment unique to block plants and 11 equipment types unique to paver plants. NCMA/ICPI's eSafetyLine CD and web-based software addresses the compliance requirements set by OSHA.

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**Decals**

**Certified Concrete Paver Installer Decal**
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  - **59305 – Member:** Pack of 10 – $10.00
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**Industry Statistics**

**Concrete Homes Technology Brief – Concrete Pavers**
This one page flyer highlights the benefits of concrete pavers.

- **72201 – Members Only:**
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This one page flyer explains permeable interlocking concrete pavement and its environmental benefits.

- **72200 – Members Only:**
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**Industry Sales Profile 2011**
Published June 2010
This profile provides industry sales statistics for 2010. The study provides additional data on paver sales per manufacturer and average paver sales per plant location for the past three years.

- **50211 – Member:** $20.00
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Interlocking Concrete Pavement Structural Design Program
Excel based program calculates base thicknesses for interlocking concrete pavements using the ASCE standard T&D 58-10. Structural Design of Interlocking Concrete Pavement for Municipal Streets and Roadways.

The easy-to-use program is for maximum of 10 million 18,000 lb (80 kN) equivalent single axle loads (ESALs) and a design vehicle speed 45 mph (70 km/h) or less. The program requires user inputs traffic and soils and provides base and subbase thicknesses. Base and subbase options include unstabilized compacted aggregate, asphalt, and asphalt- and cement-treated materials. 76807 – Member: $10.00 Retail: $20.00

Case Study – Morton Arboretum
Morton Arboretum located in Lisle, IL is the site of a 173,000 sq ft permeable interlocking concrete pavement (PICP) parking lot. The parking lot has proven to be an innovative stormwater best management practice (BMP). 77905 – Members only: $2.50 – Pack of 10

Stormwater Runoff Solution: Permeable Interlocking Concrete Pavement Video
This short video reviews current stormwater management practices and shows ways permeable interlocking concrete pavement (PICP) can be used as part of an effective sustainable, low impact development response to today’s stormwater management problem. The PICP video is a great tool to use when visiting design professionals or municipal officials to give them a quick informative introduction to permeable pavement. 78020 – Member: $25.00 Retail: $50.00

Industry Sales Profile 2011
Published June 2010. This profile provides industry sales statistics for 2010. The study provides additional data on paver sales per manufacturer and average paver sales per plant location for the past three years. 50211 – Member: $20.00 Retail: $99.00

ICIM Fact Sheets
Themed fact sheets which focus on the features and benefits of ICP and PICP to the industrial, commercial, institutional and Municipal (ICIM) markets. These sheets are a great tool when presenting to design professionals or municipal officials.

ICIM Fact Sheet – Aesthetics
This fact sheet shows that interlocking concrete pavement (ICP) and permeable interlocking concrete pavement (PICP) provide an attractive pavement compared to a traditional monolithic gray or black pavement. 78901 – Members Only: Pack of 10 – $2.50

ICIM Fact Sheet – Durability
This fact sheet shows that interlocking concrete pavements (ICP) and permeable interlocking concrete pavements (PICP) are a logical choice for commercial applications because concrete pavers provide a hard and durable surface not subject to surface deformation resulting in reduced pavement maintenance and replacement costs and a longer pavement life than other pavement types. 78902 – Members Only: Pack of 10 – $2.50

ICIM Fact Sheet – Sustainability
This fact sheet demonstrates that permeable interlocking concrete pavement (PICP) helps eliminate stormwater runoff and conserves land, while serving as a durable wearing course. Explains how concrete pavers improve the quality of life for an environment and its users and provides sustainable ecological solutions proven to last. 78903 – Members Only: Pack of 10 – $2.50

Municipal Tool Kit Flash Drive
This easy to use flash drive contains ICPI resources for interlocking concrete pavement (ICP) and permeable interlocking concrete pavement (PICP). The tool kit is targeted to reach elected officials (City Manager, Board member, Department Director) who want to access general information on ICP and PICP. The second audience, design professionals (engineers, city engineers) would get both the general information and the technical information. These flash drives are a great selling tool giving design professionals and municipal officials the resources they need to understand and specify ICPS and PICPs in their projects. 78301 – Member: $25.00 Retail: $350.00

See inside New items for the ICIM market!