



13TH INTERNATIONAL CONFERENCE ON CONCRETE BLOCK PAVEMENT [ICCBP]

HARDSCAPES FOR FUTURE

DESIGN . SUSTAINABILITY . TECHNOLOGY

HYDERABAD
TELANGANA, INDIA

**09-10
APRIL
2026**



Online registration for visitors open

13th International Conference on Concrete Block Pavement (ICCBP)

The 13th International Conference on Concrete Block Pavement (ICCBP) will take place on April 9-10, 2026 in Hyderabad, India, bringing together experts, innovators and decision-makers from around the globe. Recognized as one of the most influential events in the field of segmental and concrete block pavements, ICCBP serves as a vital platform where research meets practice, and where industry and academia collaborate to shape the future of sustainable paving solutions. As an added highlight, all participants are invited to join an optional plant visit on April 11, 2026, hosted by Earth Pavers Pvt. Ltd. in Hyderabad.

The 13th ICCBP in Hyderabad promises to be a landmark event for the paving industry worldwide. From high-performance pavers and sustainable materials to climate-adaptive solutions and international standards, the program reflects the dynamic evolution of concrete block pavements. For anyone interested in shaping the next chapter of resilient, sustainable, and future-ready infrastructure, this conference is not to be missed.

The 2026 edition of ICCBP will focus on durability, sustainability, and innovative applications of concrete block pavements,

with a broad spectrum of technical sessions and case studies. Examples are:

Enhancing Heavy-Duty Pavements

High-performance pavements are essential in ports, airports, and other heavy-duty environments. Innovative prepolymer urethane stabilizers have demonstrated remarkable results in protecting joints from water infiltration, sand erosion, and chemical exposure. Field evidence from projects at major ports and airports confirms that these systems significantly lower maintenance costs and extend service life, even under extreme conditions such as freeze-thaw cycles or helicopter-induced sand erosion.

Permeable Solutions for Urban Drainage

Sustainable urban drainage remains a pressing concern, and permeable pavements play a central role. Studies highlight how permeable joint stabilizers preserve both permeability and joint stability, ensuring long-term performance. Applications even extend to aircraft pavements, where water infiltration must be balanced with stringent safety requirements.

The Charminar is a landmark and a symbol of Hyderabad.



Rail Infrastructure Advancements

With growing demands on public transportation, railway platforms require paving materials that combine strength, slip resistance, and durability. Precast flagstones produced via vacuum wet press technology have shown excellent bending strength, low water absorption, and long-lasting performance under heavy foot traffic. Long-term field studies in busy Indian stations confirm their suitability for such demanding environments.

High-Performance Pavers with PCE Technology

The adoption of polycarboxylate ether (PCE)-based plasticizers marks a leap forward in wet-cast interlocking paver production. By lowering water-cement ratios while ensuring high workability, manufacturers can achieve compressive strengths of over 70 MPa and significantly improved abrasion resistance. These pavers are especially relevant for industrial yards and urban roads where longevity is paramount.

Recycling for Sustainable Growth

Sustainability is no longer optional—it is imperative. Research on Recycled Concrete Aggregates (RCA) shows that replacing up to 50% of natural aggregates in paver blocks delivers comparable compressive strength while reducing carbon emissions by up to 30% and lowering landfill impact by over one-third. Such findings underscore the potential of RCA as a mainstream material for eco-friendly pavement construction.

Rooftop Applications - Unlocking Urban Potential

In increasingly dense cities, rooftops offer new opportunities. Precast paving systems provide a robust, durable, and aesthetic solution for rooftop applications, outperforming alternatives such as asphalt or resin-bound gravel in terms of long-term value, reparability, and design flexibility. Advanced considerations such as wind loading, thermal expansion, and water management make rooftop paving a forward-looking solution for urban resilience.

Research on Filter Stability

Austrian research highlights the importance of filter stability in unbound pavement layers. Proper interaction between joint and bedding materials is crucial to avoid material migration, reduced permeability, and structural deformations. Updated standards and test methods now aim to safeguard drainage capacity and structural integrity under traffic loads and precipitation.

Climate-Adaptive Surfaces

Urban heat islands are a growing challenge. A breakthrough in high-SRI (Solar Reflectance Index >90) roof tiles demonstrates how precast concrete can contribute to energy efficiency and thermal comfort. These tiles significantly reduce surface temperatures under solar exposure while complying with green building standards and "Cool Roof" policies.

International Perspectives and Standards

On the regulatory side, the newly published AASHTO Guide for Interlocking and Permeable Pavements marks a milestone in North America. By recognizing these pavement types as viable alternatives to asphalt and concrete, the guide strengthens their institutional acceptance and paves the way for broader adoption.

At the same time, novel carbonated cements offer pathways to radically lower CO₂ emissions. These cements cure through carbonation, cutting curing times from weeks to hours and capturing over 25% of cement's weight in CO₂ – an exciting prospect for climate-friendly industrial paving products.

Trade exhibition with networking opportunities and insights into Indian block and paver production

A dedicated trade exhibition will be accessible for all attendees throughout both days right in front of the conference rooms. International and domestic suppliers will be prepared to share ideas and concepts for block and paver production sites globally. The list of exhibitors (as of 01.10.2025) includes

Exhibitor Name	Country
Apollo Zenith Concrete Technologies Pvt. Ltd.	India
Assyx GmbH & Co. KG	Germany
Columbia Machine Engineering (I) Pvt. Ltd.	India
Curetec Shanghai New Energy Tech. Co. Ltd.	China
Globmac	Turkey
Ha-Be Betonchemie GmbH	Germany
HESS Group GmbH	Germany
KBT Machineries	India
Kobra Formen GmbH	Germany
Kraft Curing Systems	Germany
Masa GmbH	Germany
myWood Plomka Timber sro,	Germany
Palfinger India Pvt. Ltd.	India
Parijatha Machinery	India
Q Green Techon Ltd.	India
Quadra	France
Quatromatic Ltd.	U.K.
REVOMAC Industries	India
ROTHO	Germany
Sagar Cement Ltd.	India
Simem India	India
WASA AG	Germany
Weber Buerstensysteme	Germany



The 13th ICCBP Congress will take place at the Novotel Hyderabad Convention Centre, a tranquil oasis next to HITEC City, the IT hub of Hyderabad.

On April 11, a complimentary plant tour will be offered to the delegates, presenting a typical paver block production at Earth Pavers Pvt. Ltd. In Hyderabad. The equipment operating in this plant includes

- Columbia (India make) SPM30 Concrete Block Machine Pallet size 750x600 : Fully automated plant with Cuber and Kraft Curing System.
- Besser's Bescopac
- Parijatha (India make) Hermetic Press - 3 stations (APM316 ED)
- KBT Machinery (India make) Vacuum Wet Press Single Station - WP400
- Shot Blast Machine from Patel Furnace and Forging Pvt. Ltd.

This exclusive tour will provide Indian make equipment, with a mix of automated and manual processes to produce different block and paver products.

Why Attend ICCBP 2026?

ICCBP is not just a scientific conference—it is a global meeting place for innovators, manufacturers, city planners, researchers, and policy-makers. Participants benefit from:

- Cutting-edge research presentations covering materials, design, and sustainability.
- Best practice case studies from around the world.
- An international exhibition showcasing the latest technologies, machines, and materials.
- Networking opportunities with leading experts shaping the future of urban infrastructure.

Hyderabad, as a rapidly expanding metropolis, provides the perfect backdrop. Here, urban growth, sustainability challenges, and infrastructure development converge, reflecting the core issues addressed by ICCBP. The ICCBP Congress will take place in the Novotel Hyderabad Convention Centre Novotel & HICC Complex and special rates for conference participants are agreed that are accessible through the ICCBP website where you can also register online, of course. ■

FURTHER INFORMATION

www.iccbp.org

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SCIENTIFIC, RESEARCH PAPERS

- Determining The Filter Stability of Unbound Block Pavement Superstructures –** Franziska Gober, Pauline Traxler, Lukas Eberhardsteiner (Austria)
- Comparison of Life-Cycle Maintenance and Rehabilitation Costs for Interlocking Concrete Pavement Systems –** David K. Hein, P.Eng. (Canada)
- Predicting Clean-Out Efficiency of Permeable Interlocking Concrete Pavers Using Laboratory Testing and Machine Learning and Subsequent Full Scale Field Tests –** Sachet Siwakoti (Canada)
- Permeable Block Pavements for Liveable Cities –** Alexander Buttgerit, Alexander Eichler (Germany)
- Visual Condition Assessment of Paved Surfaces as Part of Urban Asset Management –** Alexander Buttgerit, Stefan Gomolluch (Germany)
- Maximising the Performance and Longevity of Heavy-Duty Block Pavements: The Role of Specialist Prepolymer Urethanes in Reducing Whole Life Costs –** John Nkpton, Matthew Hoddinott (U.K.)
- Real-World Benefits of Permeable Joint Stabilisers in Extending the Life of Permeable Pavements –** Matthew Hoddinott (U.K.)
- Rooftop Resilience: The Technical and Commercial Case for Precast Paving Solutions –** Matthew Hoddinott (U.K.)
- Test Result Variability in the Physical and Mechanical Properties of Concrete Blocks** Uruguay – Patricia Vila, María Noel Pereyra (Uruguay)
- Toward Reliable Compaction of Permeable Pavements: Field-Based Protocols and Predictive Models for Open-Graded Aggregates –** Adeoluwa Gbolade, Adeyemi Adetokunbo, Robert Bowers, W. Bryan Horr, Deb Mishra (USA)
- Development of a Guide on Interlocking and Permeable Interlocking Concrete Pavements for the American Association of State Highway and Transportation Officials –** David R. Smith (USA)
- Beneficial Paths for the Concrete Block Pavement Industry through Cements that Require Carbonation Curing –** David R. Smith (USA)
- Development of a Design Catalog for Standard Interlocking Concrete Pavements using Mechanistic – Empirical Method –** Somayeh Nassiri, Rongzong Wu, Robert Bowers (USA)
- Deflection-Based Compaction Criteria for Open-Graded Aggregate (OGA) Layers –** W. Bryan Horr (USA)
- Performance Evaluation Report of the Paving Slab & Plank Full-Scale Testing –** W. Bryan Horr, David R. Smith (USA)
- Performance Evaluation of Edge Restraint Systems for Interlocking Concrete Pavements (ICP) –** W. Bryan Horr, Robert Bowers (USA)
- Studies on Utilization of Limestone Waste to Make Cement Tiles & Paver Blocks –** A Rajakumar, B R V Narasimhan (India)
- Mechanistic Design of Interlocking Concrete Block Pavement by Modifying the Existing IRC -37 Flexible Design. –** B C Panda, S C Patnaik, A P Panda (India)
- Performance Evaluation of Geopolymer and Cement Concrete Blocks for Next-Gen Pavement Solutions –** Bharathi Murugan, Haridharan M K (India)
- Numerical Characterization of the Interlocking Mechanism in Concrete Block Pavement Systems –** Chandni P K Divakaran, Arjun Siva Rathana R T, Krishnan K., Prabhakaran Kesavan (India)
- Paver Blocks – A Sustainable Solution in Real Estate for Climate Resilience –** Dr. Poorva Keskar, Ar. Rajlakshmi Dubey (India)
- Use of Interlocking Concrete Block Pavement Overlay as a Replacement for Reconstruction in Distressed Concrete Pavement Slabs: A Case Study –** Dr. Rakesh Kumar (India)

- Use of Recycled Concrete Aggregate for Paver Block Construction: Properties and Sustainability –** Dr. Saroj Mandal (India)
- Studies on Surface Frictional Properties of Paver Blocks and Allied Products –** Dr. Somit Neogi, Manoj Kumar, Vikram Kamble (India)
- Studies On Geopolymer Concrete with Re-Rolled Scrap Steel Slag as Coarse Aggregate –** N Suganya, P S Ambily (India)
- Development of High SRI (>90) Heat-Resistant Precast Concrete Roof Tiles, Paver Blocks complying with IS 1237 using 3 -Layer Mix design and Hermetic Press Technology –** Prem Chand Gupta, Sushant Gupta, Vishnu Gupta (India)
- High-Performance Wet Cast Interlocking Concrete Pavers with PCE-Based Plasticizers: Enhancing Compressive Strength and Abrasion Resistance –** Prem Chand Gupta, Sushant Gupta, Vishnu Gupta (India)
- Re-thinking Concrete Pavements for 'Indian' Cities: A Case for Contextual Design & Manufacturing –** Rishabh Chamedia (India)
- Utilisation Of Steel Slag as Aggregate in Sustainable Paver Block Production –** Selvam M. (India)
- Assessment of the Long-Term Structural and Functional Performance of Interlocking Pavements: A Case Study –** Shanmathi Rekha Raju, Kali Prasad Damara, Pala Gireesh Kumar, Arjun Siva Rathana R T (India)
- Performance Characteristics of Precast Concrete Paving Flagstones Manufactured by Vacuum Wet Press Technology for Railway Station Platforms –** Sudhakar Mody, Prem Chand Gupta, Sushant Gupta, Vishnu Gupta (India)

COMPANY PRESENTATIONS

- Precision in Motion: Enhancing Concrete Product Quality Through Advanced Machinery –** Columbia Machine Engg. (I) Pvt. Ltd. (India)
- Vacuum Wet Press Technology: A Century of Innovation in Precast Concrete Manufacturing –** Columbia Machine Engg. (I) Pvt. Ltd. (India)
- Big Board Pallet Machine, Features, Technology & Benefits for Paver Block Manufacturing –** Apollo Zenith Concrete Technologies Pvt. Ltd. (India)
- Revomac Industries Pvt. Ltd.**
- Form Follows Function – Why Joints Matter More Than Pavers in CBP Surfaces –** Kobra Formen GmbH (Germany)
- Engineering Innovations and Technical Advantages of PALFINGER Brick Cranes in India –** Palfinger India Pvt Ltd (India)
- Advanced Technologies and Research-Driven Innovation in Precast Concrete For Block Pavement Applications: The Simem Approach –** Simem India (Italy)
- Advancing Sustainability in Block and Paver Curing –** Curetec Shanghai (China)
- DURAHIT® GPC – Activator System for Cement-Free Manufactured Concrete Products –** Ha-Be Betonchemie GmbH (Germany)
- Precision Concrete Curing for Strength, Quality, and Efficiency –** Kraft Curing Systems (Germany)
- Advancements in Filling Box Technology for High-Quality Concrete Block Production –** Masa Concrete Plants India (Germany)
- 4 Stages to Fully Automate a Concrete Block Factory –** Quatromatic Ltd., London (U.K.)
- Terraforce: Revolutionary Interlocking Retaining Wall System – 46 Years of Innovation –** Terraforce (S. Africa)
- Production Boards in Concrete Block Production – A Comparative Review of Materials –** WASA AG (Germany)

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