



ENGINEERED INDUSTRIAL FLOORING FOR GLOBAL INFRASTRUCTURE

India | Kenya | Uganda | Tanzania | UAE | Canada

ABOUT US

BGSB is a global specialist in engineered industrial flooring systems, delivering high-performance concrete and resin flooring solutions across global markets.

With origins in specialized concrete flooring execution, BGSB has evolved into an international group operating across India, UAE, Africa, and Canada. We deliver end-to-end flooring solutions covering flooring design, engineering, execution, and technical services—ensuring durability, precision, and long-term performance in demanding environments.

Our systems are engineered to perform under heavy loads, high traffic, and operational intensity, supporting logistics hubs, manufacturing facilities, warehouses, and mission-critical infrastructure worldwide.

Across all regions, BGSB operates with a unified philosophy:

Engineering excellence delivered through execution precision.



Local Expertise

Deep understanding of international regulations & local execution practices.



17 Years of Experience

Strong global track record in industrial flooring.



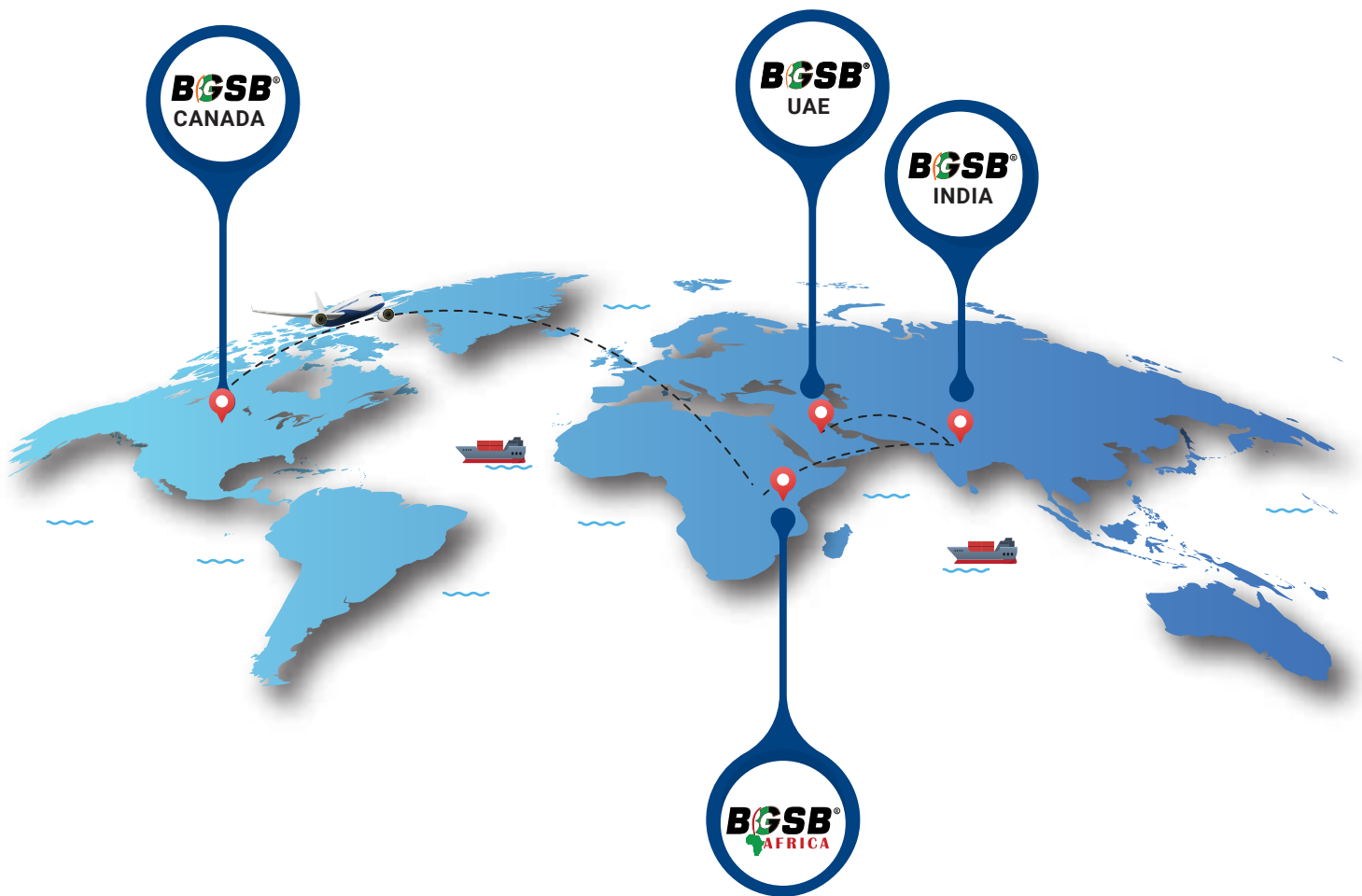
Advanced Technology

High-tech machinery and skilled execution for superior performance.

GLOBAL PRESENCE

GLOBAL EXPERIENCE, LOCAL EXECUTION

Delivering precision flooring across diverse geographies, climates, and operational environments.



1200+
PROJECTS



25M+
SQM EXECUTED



17+
YEARS EXPERIENCE



WHY **BGSB**®

WHY LEADING DEVELOPERS & CONSULTANTS CHOOSE BGSB?

- Large-format slab execution capability
- Superflat & high-tolerance expertise
- Jointless & seamless technologies
- In-House Mix Design & Engineering Support
- Compliance with TR-34, DIN, ACI 360R & ASTM Standards
- Structured QA/QC & Testing Protocols

ENGINEERING APPROACH

ENGINEERED CONCRETE FLOORING FOR MISSION CRITICAL FACILITIES



Every floor is engineered based on operational loads, traffic intensity, rack configuration, and lifecycle performance requirements.

Supported by the global technical expertise of the BGSB Group, our operations apply a structured, engineering-led design methodology. Each slab is developed based on operational demands, structural loading, rack geometry, traffic intensity, and long-term performance

Every project is engineered around

- Load class and rack configuration
- Traffic frequency and material handling systems
- Joint strategy and crack control methodology
- Long-term serviceability and lifecycle performance

"Our floors function as engineered structural systems – not conventional slabs."

CORE FLOORING SYSTEMS

INDUSTRIAL SLAB SOLUTIONS

All systems are engineered based on subgrade conditions, load modeling, reinforcement strategy, and environmental exposure.

✓ **SUPERFLAT DM FLOORS (VNA / ASRS)**

Designed for high-precision VNA and ASRS environments.

✓ **FLAT STRUCTURAL SLABS**

High-performance structural slabs for data centres, multistorey warehouses, and manufacturing facilities. Optimized for heavy point loads, equipment, and racking with excellent flatness and load distribution.

✓ **POLISHED & DENSIFIED CONCRETE SYSTEMS**

Mechanically refined surfaces designed for abrasion resistance and dust control.

✓ **SEAMLESS & JOINTLESS SFRC FLOORS**

High-performance steel fibre floors designed to reduce joints and maintenance, with zero joint opening for cold storage and temperature-controlled facilities.

✓ **HEAVY-DUTY INDUSTRIAL SLABS & PQC FLOORING**

Designed for high point loads, repetitive traffic, and operational durability.

✓ **FLOOR COATINGS & TOPPINGS**

Designed for clean room environment in production units of food and pharma. Also used in metal engineering industry for anti-slip requirement & easy cleaning of oil spillage.



SUPERFLAT SYSTEM

PRECISION FLOORS FOR AUTOMATED WAREHOUSING



BGSB is a specialist contractor in superflat concrete flooring for high-bay warehouses where floor precision directly impacts operational efficiency. Superflat flooring demands exceptional precision, micro-level control, and specialized high-quality concrete – a capability mastered by BGSB.

BGSB delivers superflat & defined movement floors designed for:

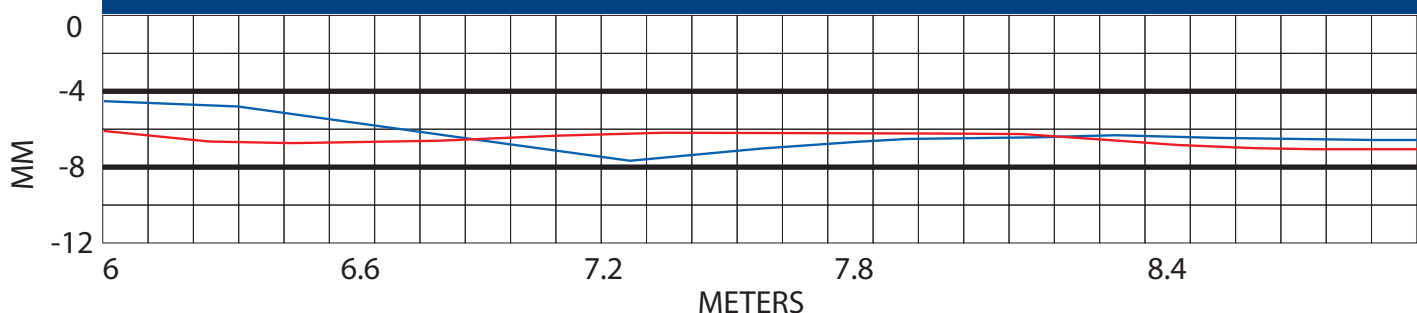
- Very Narrow Aisle (VNA) operations
- Automated Storage & Retrieval Systems (ASRS)
- High-reach material handling equipment



Floor Classification	MHE Lift Height	Property dZ mm/m	Property dZ Z x Z	Property d ² Z dz x 0.75	Property dX dz x 0.75	Property d ² X Fixed Value
DM1	over 13m	1.3	Z x 1.3	Z x 1.0	2.9	1.5
DM2	8 to 13m	2.0	Z x 2.0	Z x 1.5	4.4	2.0
DM3	up to 8m	2.5	Z x 2.5	Z x 1.9	5.5	2.5

BGSB offers highly skilled team to design and cast "Superflat Concrete floors" as per the tolerances prescribed by International flooring standards as follows;

Surface Profile Analysis – Robotic Profilograph Testing



JOINTLESS & SEAMLESS SYSTEMS

ENGINEERED JOINT STRATEGY & CRACK CONTROL

Joints are the most common failure point in industrial floors—our systems are engineered to minimize them, with critical locations reinforced using armoured joints to ensure long-term load transfer, edge protection, and durability under heavy traffic.

Our systems integrate:

- Steel fibre & steel re-bar based hybrid design
- Load transfer optimization using steel armour joints
- Panel geometry engineering using correct aspect ratio
- Controlled shrinkage strategy using magnesium SRA

The result: reduced maintenance, improved load distribution, enhanced lifecycle performance.



FLAT STRUCTURAL SLABS

ENGINEERED STRUCTURAL FLOOR SYSTEMS FOR HIGH-PERFORMANCE BUILDINGS

Flat Structural Slabs are engineered reinforced concrete floor systems designed to support heavy operational loads while maximizing open floor space and construction efficiency. BGSB delivers precision-engineered structural slabs for data centres, multistorey warehouses, industrial facilities, logistics hubs, and commercial buildings, combining structural performance with superior surface flatness and long-term durability.



Key Features

- Engineered for reduced dead load with structural strength.
- Eliminates topping & screed with precision-finished slabs.
- Monolithic Flat Slab System for seamless construction and durability.
- Accelerates Project Delivery with significant time and cost savings.

FLOOR COATINGS & TOPPINGS

PU & EPOXY FLOORING SYSTEMS

We deliver high-performance Polyurethane (PU) and Epoxy flooring systems designed for durability, safety, hygiene, and long-term value. Our flooring solutions are ideal for industrial, commercial, and specialized environments where performance and aesthetics matter.

We provide complete solutions — from surface preparation to final finishing — ensuring superior adhesion, strength, and long service life.



Key Features

- High mechanical strength
- Excellent chemical resistance
- Easy to clean and maintain
- High-gloss or matte options

POLISHED & DENSIFIED CONCRETE SYSTEMS

ENGINEERED SURFACE PERFORMANCE

We specialize in high-performance polished and densified concrete flooring systems that transform ordinary concrete into durable, dust-free, and aesthetically superior surfaces.

These systems enhance surface strength, improve abrasion resistance, and deliver long-lasting, low-maintenance floors suitable for industrial and commercial environments.

SYSTEM OPTIONS

StellaTM
Hard



5 Years Warranty

LunaTM
Hard23



10 Years Warranty



20 Years Warranty



20 Years Warranty

Surface Hardening | Abrasion Resistance | Dust Elimination | Reflective Finish | Low Maintenance

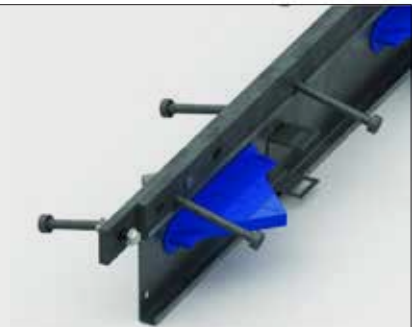
AMOUR JOINT SYSTEMS

MOVING JOINT SOLUTIONS FOR CONCRETE FLOORS

Amour Joint Systems by Conecto Profiles are designed for ground-supported slabs, allowing controlled movement while protecting floor edges. These steel armoured joints act as stay-in-place formwork and include an integrated Plate Dowel System for lateral slab movement. Pre-installed anchoring elements and plastic sleeves enable smooth horizontal movement while preventing vertical displacement. Reinforced plastic components ensure durability and resist deformation under concrete pressure. Refer to TDS for more details.



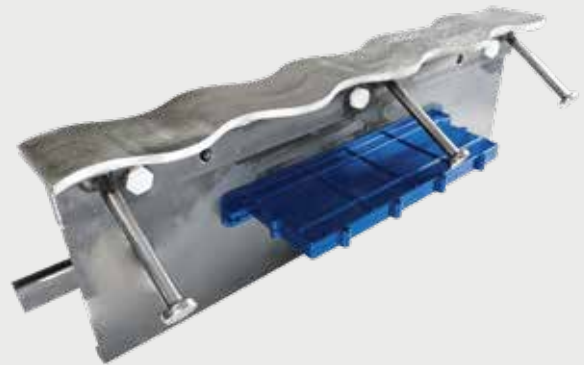
MONO JOINT (+FORMWORK)



DYNA LITE JOINT



DYNA CLASSIC JOINT (10NA40-5D)



GLIDE SINUS JOINT (08NCC65/10NA40)



NOVA ARMOUR JOINT (06NSTW60)



NOVA REPAIR JOINT (06NR)

QUALITY CONTROL & TESTING

STRUCTURED QA/QC PROTOCOLS

Quality is engineered into every stage of BGSB flooring execution. Our structured QA/QC systems ensure that materials, processes, and final floor performance meet international standards and project specifications. From subgrade assessment to final tolerance verification, every parameter is measured, documented, and validated.



PRECISION-DRIVEN EXECUTION

Each project follows a structured QA plan, ensuring TR-34, DIN, CSA A23.3 & ASTM compliance with precise flatness control.



ENGINEERED MIX DESIGN CONTROL

Our in-house team designs and verifies concrete mixes to meet project loads, environmental conditions, and durability standards.



Measured. Verified. Documented.

- Subgrade evaluation and preparation review
- Mix design verification
- Slump, temperature, and strength testing
- Surface regularity measurement (FF/FL)
- Tolerance verification for DM & FM floors
- Post-placement inspection and documentation

BGSB's quality control framework minimizes risks, prevents performance failures, and ensures long-term durability of industrial floors. Through disciplined testing, real-time monitoring, and detailed documentation, we deliver floors that perform reliably under heavy traffic, high racking loads, and demanding industrial environments. *All BGSB Floorings are fully warranted against any defects*.

Terms and conditions apply



STANDARDS & COMPLIANCE

STANDARDS WE FOLLOW

BGSB flooring systems are engineered and constructed in accordance with internationally recognized standards, including ACI, ASTM, TR34, and DIN guidelines. Our standards-driven approach ensures precision surface tolerances, structural integrity, and long-term performance in demanding industrial environments worldwide.

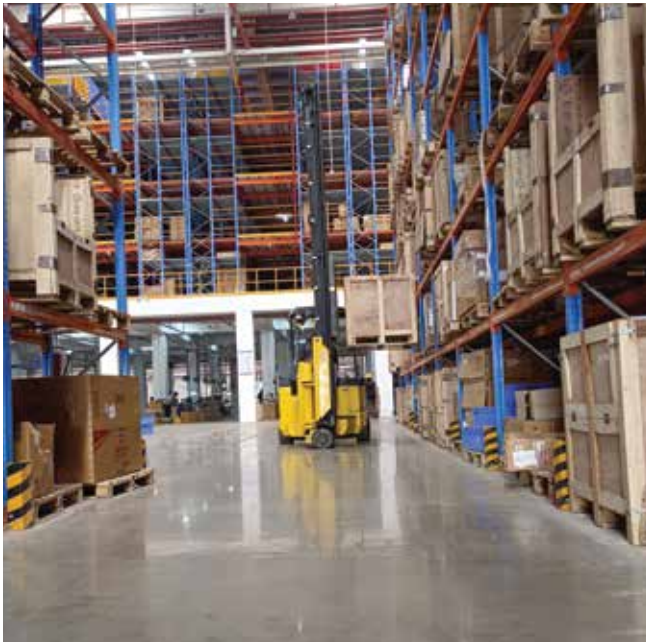
International Standards

- TR34 – Concrete Industrial Ground Floors
- DIN 15185 – Defined Movement Floors
- ASTM E1155 – Floor Flatness & Levelness
- Applicable National Building Code of Canada (NBCC) provisions
- ACI 360R – Design of Slabs-on-Ground
- IS 456:2000 – Plain and Reinforced Concrete
- Applicable regional standards as adopted by KEBS, UNBS & TBS

SECTORS SERVED

SUPPORTING HIGH-PERFORMANCE INDUSTRIAL
& INFRASTRUCTURE ENVIRONMENTS GLOBALLY

"Large-format, high-precision industrial flooring execution"



LOGISTICS & DISTRIBUTION CENTRES



MANUFACTURING & HEAVY INDUSTRY



DATA CENTRES



FOOD & STORAGE FACILITIES

SECTORS SERVED

SUPPORTING HIGH-PERFORMANCE INDUSTRIAL
& INFRASTRUCTURE ENVIRONMENTS GLOBALLY



PHARMA & MEDICAL FACILITY



PQC PAVEMENTS



INSTITUTIONAL & COMMERCIAL FACILITIES



FLOOR JOINT REPAIRS

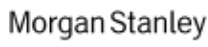
INTERNATIONAL CLIENTS

INDIA

INTERNATIONAL CLIENTS

INDIA

INTERNATIONAL CLIENTS

EAST AFRICA & UAE



CONSULTANTS & ARCHITECTS

INDIA, EAST AFRICA, UAE & CANADA

CBRE

**CUSHMAN &
WAKEFIELD**

cpk CPKUKREJA
ARCHITECTS

Coign
Consulting
Logistics | Supply Chain | Infrastructure

HBAarchitecture

IDOM

M M
MOTT
MACDONALD

JLL

**Knight
Frank**

CRN
C R NARAYANA RAO

PROCONVIS

RSP

RAJIV ASSOCIATES

SEMAC

STRUCTWEL

vms
ENGINEERING + ARCHITECTURE

TATA
CONSULTING
ENGINEERS LIMITED

Worley
energy | chemicals | resources

architects
ipa

habconsult Ltd.

TRIAD
ARCHITECTS
Since 1963

Turner & Townsend

mace | YMR

**Boogertman
Partners**

Continental

PROMAN
CONSULT

**DESIGN
FORTY**

KAIZEN AFRICA

AAMS

archohm

PACE
CONSULTANTS
CIVIL &
STRUCTURAL
ENGINEERS

Shilpkkaar



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