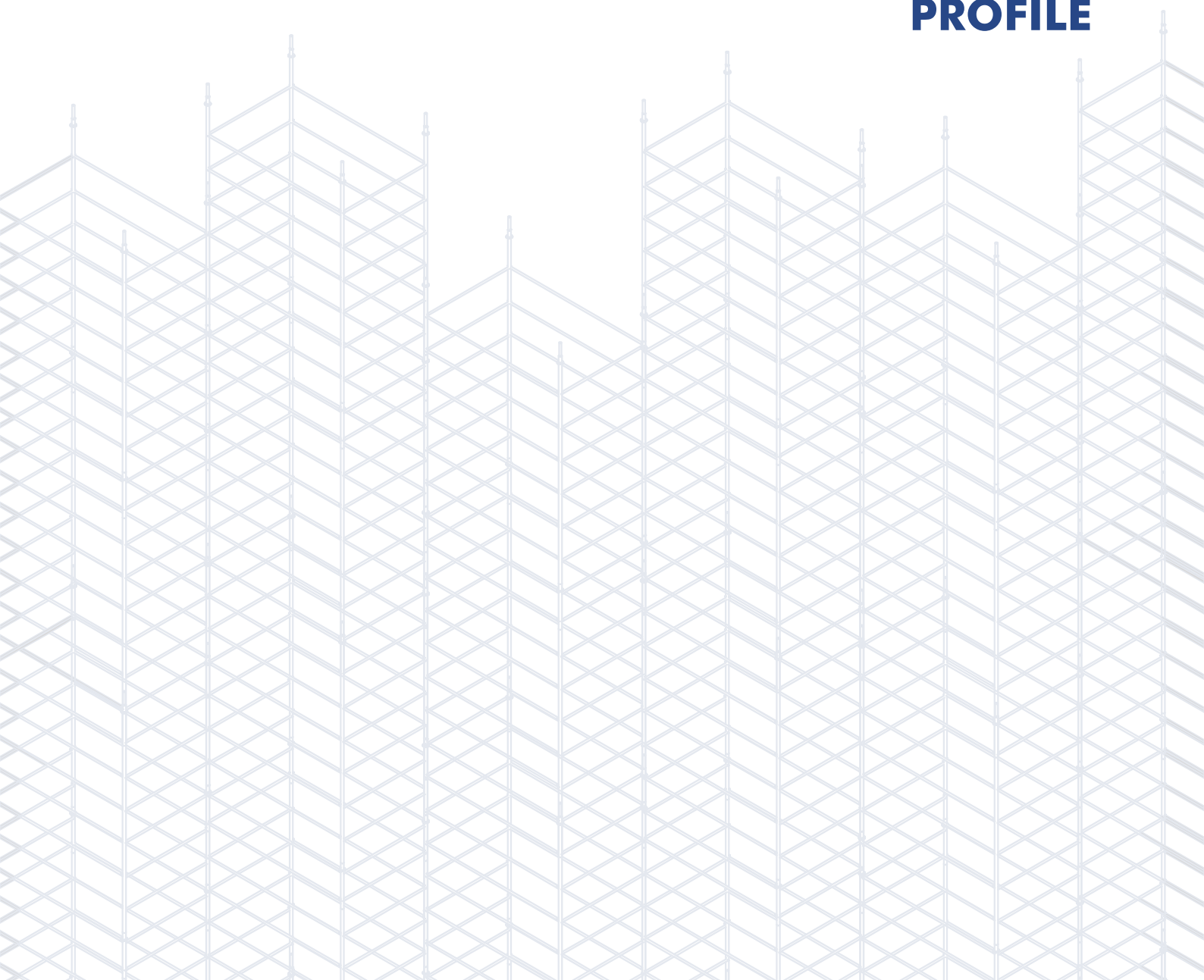


**COMPANY
TRADE
PROFILE**



**VIHAN
TECHNO**

TRADE SERVICES

Vihan Techno Group sources the product manufactured by multi national brands having long term manufacturing history and proven product formulations. Our long term experience , energetic team and well equipped storage facilities have given us opportunity to serve most reputed clients in the industry.

Our Products



ABOUT US

Vihan Techno group was established in 2009 by a civil engineer who is also a specialist in structural engineering. Vihan Techno group is proudly acknowledged as one of the best solution providers in the construction industry, having a proven track record.

Vihan Techno Group boasts potential in-house talent that includes several experts in civil engineering. Our Team's technical expertise enables us to deliver techno-commercially viable solutions and materials, right from foundation to roof.

We offer the best quality materials manufactured by multi-national companies and help our clients to select the best suited variants as per our long term technical experience.

Vihan Techno Group is proud associate of multinational brands



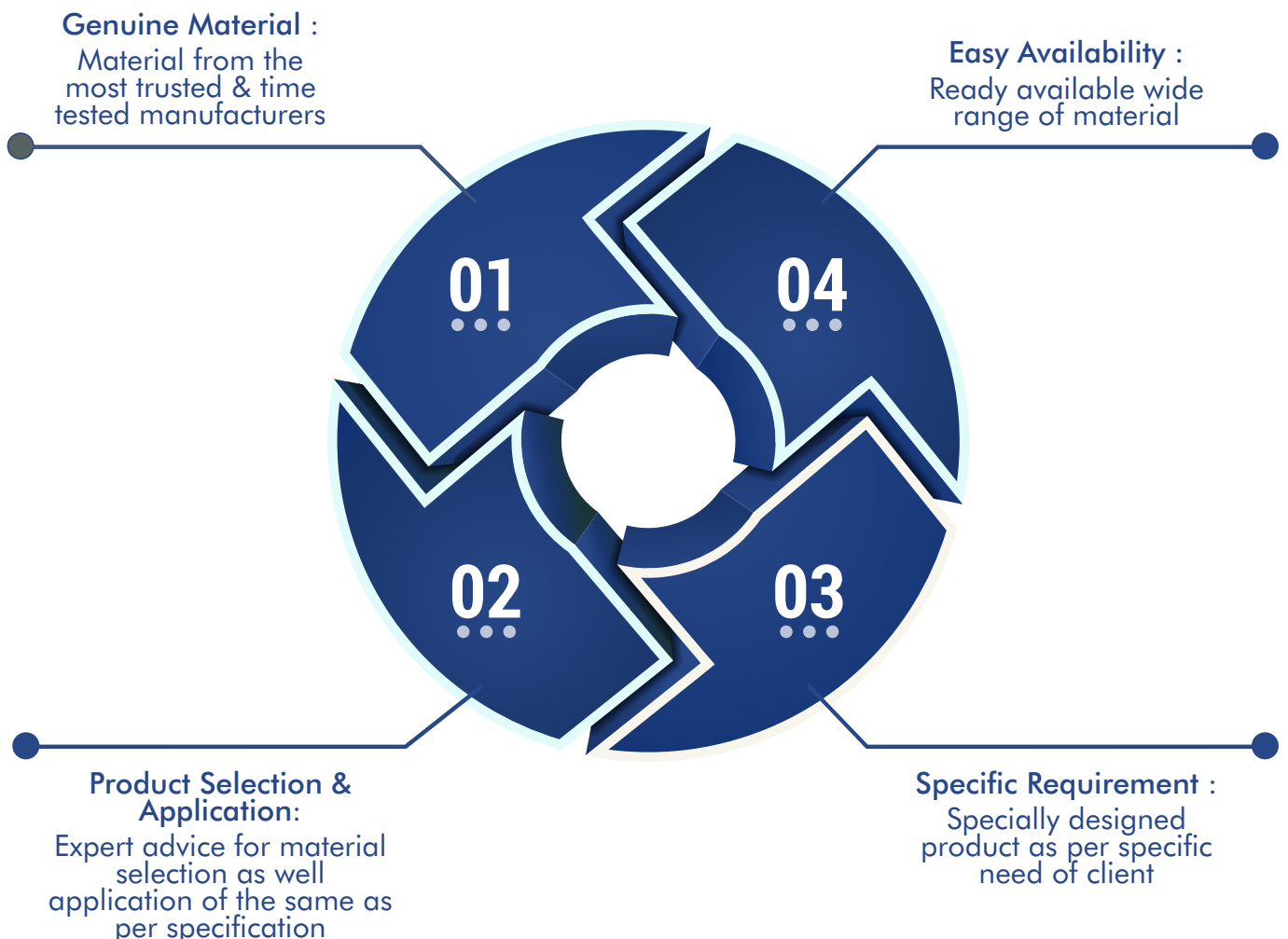
Fosroc Chemicals
(India) Pvt. Ltd.



MC-Bauchemie (India)
Private Limited



Sika India Pvt Ltd.





CONCRETE

Additive / Admixture

- Water Reducing Plasticizing Concrete admixture
- Highly efficient set retarding concrete admixture
- Hardening Accelerator Admixture
- Foam Concrete admixture

Curing Compound

- Wax based curing compound
- Aluminum resin based curing compound
- Acrylic copolymer based concrete curing compound

Shuttering oil

- Mineral oil based mould release agent
- Water Based mould release emulsion

Pigments

- Organic/ Inorganic Pigments suitable for colored concrete



FLOORS

Floor hardener

- Pre blended, mineral based dry shake non metallic floor hardener
- Metallic Floor Hardener
- Liquid impregnating surface densifiers
- Dry shake Colored hardener for pigmented toppings

Sealants

- Two component polysulphide sealant
- Polyurethane based, single component, moisture cure elastic joint sealant
- Semi rigid floor joints sealant
- Two component cold applied fuel spillage resistant pavement sealant
- Bituminous / tar based sealing compound

Tile adhesive

- Ready to use grey cement based tile adhesive
- Floor tile | - Wall cladding | - Exterior cladding
- Acid resistant tile and bedding mortar

Tile grout

- Ready to use Cementitious /epoxy based waterproof coloured tile joint filler

Coatings and toppings

- Epoxy / polyurethane based :
- Floor coating | - Leveling screeds | - Self level floor topping
- Car park system -Anti static flooring system -Decorative floors



GROUTS

Foundation Grout

Ready to use free flow, non-shrink, expanding cementitious grout

Free flow, epoxy resin based, shrinkage free and high strength grout

Injection Grout

Two part, solvent-free, low viscosity injection-liquid, based on high strength epoxy resin.

Expanding grout admixture for cement slurry having wet volume expansion and increased. Fluidity

Low viscous, fast foaming and solvent-free water-reactive polyurethane injection closed cell foam resin.

low viscosity water displacing limited foaming and durable water impermeable injection resin grout.

Swell able flexible waterproofing acrylate gel injectable sealant



REPAIR AND RETROFITTING

Steel Cleaning and Protection

- Single component rust remover and rust passivating liquid
- Polymer modified cementitious protective coating for steel rebars
- Epoxy modified zinc rich protective coating

Bonding Agent

- Solvent-free, two component, epoxy resins based Bonding Agents
- SBR/acrylic based multipurpose polymer bonding agents

Patching system

- Ready to use, single component, polymer modified high strength cementitious repair mortar
- Ready to use, non-shrink micro Concrete with pourable and/or pumpable consistency
- Epoxy resin based, thixotropic, multipurpose mortar & Grout



WATERPROOFING

Admixture

Integral Water Proofing Liquid Admixture
Crystalline Waterproofing Admixture

Coatings

Acrylic Based Multipurpose Polymer
SBR Based Multipurpose Polymer
Two Pack Polymer Modified Cementitious Waterproofing Slurry
Rapid Setting Mortar for Plugging Water Leakage Instantly
Crystallizing Waterproofing System and Moisture Seal

Membranes

Liquid Applied Membrane System
Atactic Polypropylene(APP) Modified Bituminous Sheet
Peel and Stick, Self-Adhesive, SBS Bituminous Sheet
TPO / HDPE / EPDM / PVC Membrane



JOINTS

Expansion Joints / Construction Joints

Bitumen /cross linking Polymer / rubber / Polyethylene foam based
Expansion joint board

High performance expansion joint sealing system for construction

- Flexible expansion joint tape
- Premould expansion joint profile

Two component polysulphide sealant

Polyurethane based, single component, moisture cure elastic joint sealant

Hydrophilic water swellable joint sealing :

- Polyurethane based sealants
- Acrylic / rubber / polyurethane based profiles

PVC / Rubber based water stoppers

Reinjectable hose having internal valves for critical structure



PROTECTIVE COATS

Anti Carbonation Coating

High performance plasto-elastic, UV-curing anti carbonation acrylic dispersion paint coating with excellent crack-bridging & anti carbonation properties.

Acrylic based protective coating for moderate service requirement

Water proofing

Single component, acrylic based, flexible, micro fibre reinforced waterproofing and heat reflective coating system

Water Repellent

Water/solvent Based impregnating hydrophobic water repellent

Anti Corrosive Paint

Two part, coloured all purpose epoxy / polyurethane based protective coating for different construction materials.

Coaltar based epoxy coating

High performance hybride cementatious lining material



SPECIAL MATERIALS

Structural Strengthening

CFRP/GFRP Based Material

Wrap | laminates | Rods

Material for jacketing of column and beams

Adhesive and anchoring materials for Metal Plating

Migratory Corrosion Inhibitor

Penetrating, corrosion inhibiting, impregnation coating and admixture for concrete

Under Water System

Solvent free epoxy resin based moisture insensitive putty

Factory design, pourable/ pumpable, non shrink anti wash repair concrete

Floor Upliftment

Injection resin for sealing and solidification of rocks and ground and for fixing and upliftment of concrete floor



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Ahmedabad – 382 213
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Website: www.vihantechno.com



COMPANY PROFILE
SERVICES

Building India as a developed nation the role of civil engineer takes a significant part. With the vision to take part in the growth story, Vihan Techno Solutions was established in 2009 by a civil engineer who is also a specialist in structural engineering. VTS provides a wide range of solutions in structure repair & restoration, expansion joint treatment, waterproofing systems, injection grouting and other technical services. Today, Vihan Techno Solutions is proudly acknowledged as one of the best solution providers in the construction industry, having a proven track record. Vihan Techno Solutions boasts potential in-house talent that includes several experts in civil engineering. Our Teams' technical expertise enables us to deliver techno-commercially viable solutions, right from foundation to roof.

VISION



- ✍ Abolish the gloaming in the construction line by providing technically sustainable and durable solutions and take a part in the development of India into the sector of civil engineering.
- ✍ Grew up with the most trusted brand in terms of technical solutions and value-added services provider in civil engineering.

MISSION



- ✍ Mark the brilliance in work quality and deliver the optimum desired performance.
- ✍ Upgradation of skills continuously at all levels.
- ✍ Refinement in our strategy by self-assessment and effective implementation of the same.
- ✍ Research & Development of new technologies and systems to improve the execution quality and duration.

Our Orientations ◀

To provide the best engineering solutions with highly skilled and experienced teams which do provide depth services in the matter of research from the solution point of view. We believe in creating long-term value with our clients which helps us prosper over time.

Our Work Attributes ◀

Our eye for detail & quest for perfection makes us the master in the floor-to-roof solution provider in civil engineering. We as a team assure that we meet the expectations of our clients in the best manner. We provide highly skilled and technical services in varied renewal projects. Here is a glance at our work attributes.



Augmented services in construction



Innovative Solutions



Quick Turnaround Time



Worthwhile & competitive work output

Our teamwork assures the client to complete work within the stipulated time with latest techniques, making us one of the trust-worthy firms amongst well-known organizations and institutions.

▶ Our Strength

- F** We own a team of civil engineers & graduates with relevant expertise who have **30000 +** working days of experience.
- F** We periodically conduct in-house trainings to upgrade skills & knowledge of our team.
- F** We have an experience of **4000+** executed work and **500+** active work portfolios which leads us as a team proud in depth.
- F** We are accredited with all government as well as private authority certifications which give us the pride of most preferred organization.
- F** We are maintaining all safety standards that take us as the best safety complying organization with zero casualties and zero fatal accidents till the date from the date of incorporation.

OUR SERVICES

01 | Structure Repair & Restoration Systems

02 | Corrosion & Carbonation Protection Systems

03 | Injection Grouting Systems

04 | Expansion Joint Systems

05 | Water Proofing Systems

06 | Flooring Systems

Repair & Restoration Systems

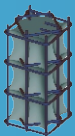
We provide advanced solutions which include preliminary site examination, assessment of the damaged structure, Identification of distress origin, destructive as well non-destructive inspection, design of repair systems and generation of quantities, the accomplishment of repair systems and final stability connected with the structure that extends the structure's service life & strength.

Carbon Fibre (CFRP) / Glass Fibre (GFRP) – Wraps, Laminates & Rods

We provide Carbon Fibre (CFRP) / Glass Fibre (GRRP) wrap, laminates and rods for the structural strengthening requirements.



Our Services



Confinement Strengthening

CFRP / GFRP wraps are used to strengthen the columns considering load requirements to be applied perpendicular to the main reinforcement to increase the axial capacity of the column element.



Flexural Strengthening

CFRP / GFRP Wraps – Laminates – Rods can be applied parallel to the main reinforcement to increase the flexural capacity of structural elements.

The techniques used:

- ↳ Externally Bonded Reinforcement (EBR)
- ↳ Near Surface Mounting (NSM)

Design loads considered ◀

- **Axial** enhancement (Confinement)
- **Shear** enhancement
- **Flexural** enhancement
- **Ductility** enhancement



▶ Shear

Shear strengthening is required when an RC beam is found deficient in shear, or when its shear capacity falls below its flexural capacity after flexural strengthening.

The techniques used;

- Internal/ External steel reinforcement
- Section enlargement
- CFRP laminates
- FRP Reinforcement
- Internal/ External Post Tensioning
- Near surface mounted reinforcement



When it is required ◀

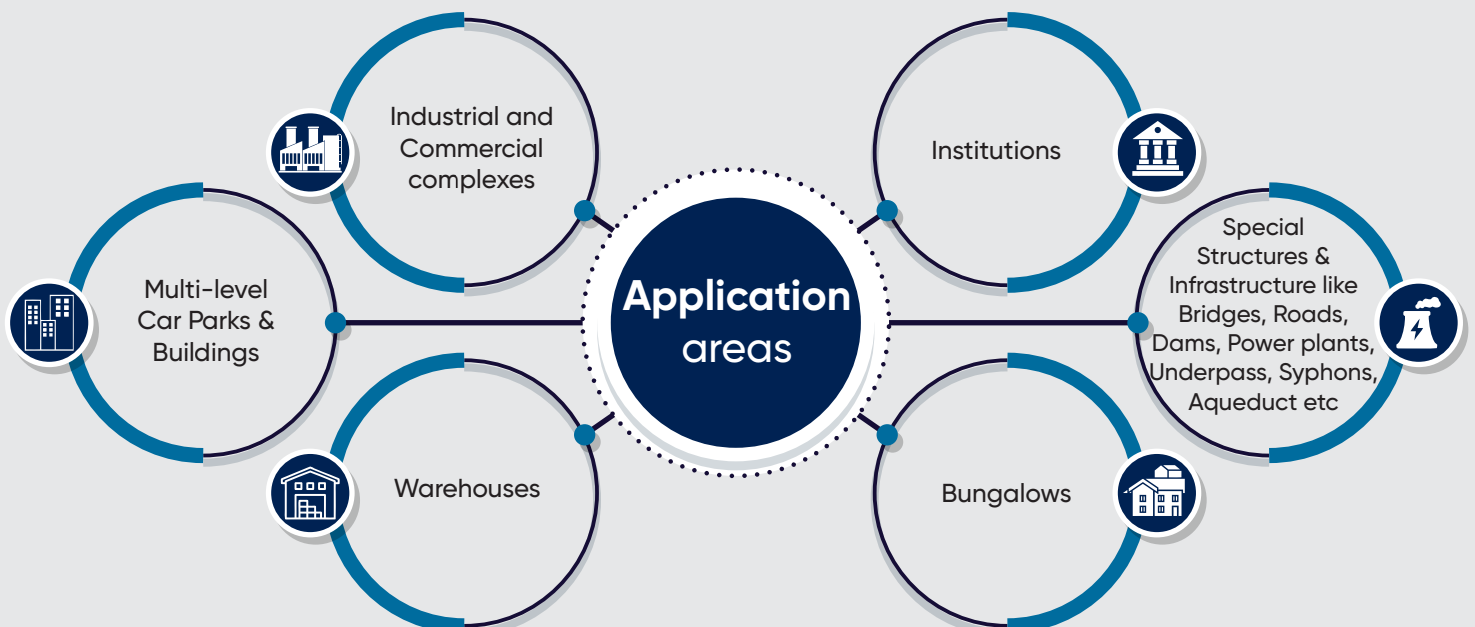
- ✔ Increment in **load carrying capacity**
- ✔ Addition of **Floor level**. (Additional FSI / redevelopment / renovation work)
- ✔ **Change of use** – like residential to commercial
- ✔ **Manual Error**. (Placement of Less or wrong Reinforcement/design mix of Concrete/ improper Core Cutting)
- ✔ **Design Error** (Under Designed Elements)
- ✔ **Execution error** (Poor workmanship, lack of supervision, improper machinery and construction systems etc)
- ✔ Implementation of **changes in code** provisions
- ✔ **Non-achievement** of required **compressive strength** of the concrete mix
- ✔ Addition of **Extra openings** in the structure
- ✔ **Removal** of existing structural elements
- ✔ **Seismic upgradation** of structure
- ✔ Distress due to **Environmental effects** like corrosion, carbonation etc
- ✔ Distress due to **Natural disasters** like earthquakes, floods etc
- ✔ Increase of structure usage far off **designed Durability**
- ✔ **Blast Mitigation**. (Accidents or Terrorism)
- ✔ Retrofitting of **Fire affected** building
- ✔ **Replacement** of Prestressed reinforcement

▶ We also provide

- ✔ **Column Jacketing** using self-compacting concrete / micro concrete
- ✔ RCC repair using factory-made / site batched **polymer modified repair mortar**
- ✔ **Steel plating of structure** applied with connections and adhesives

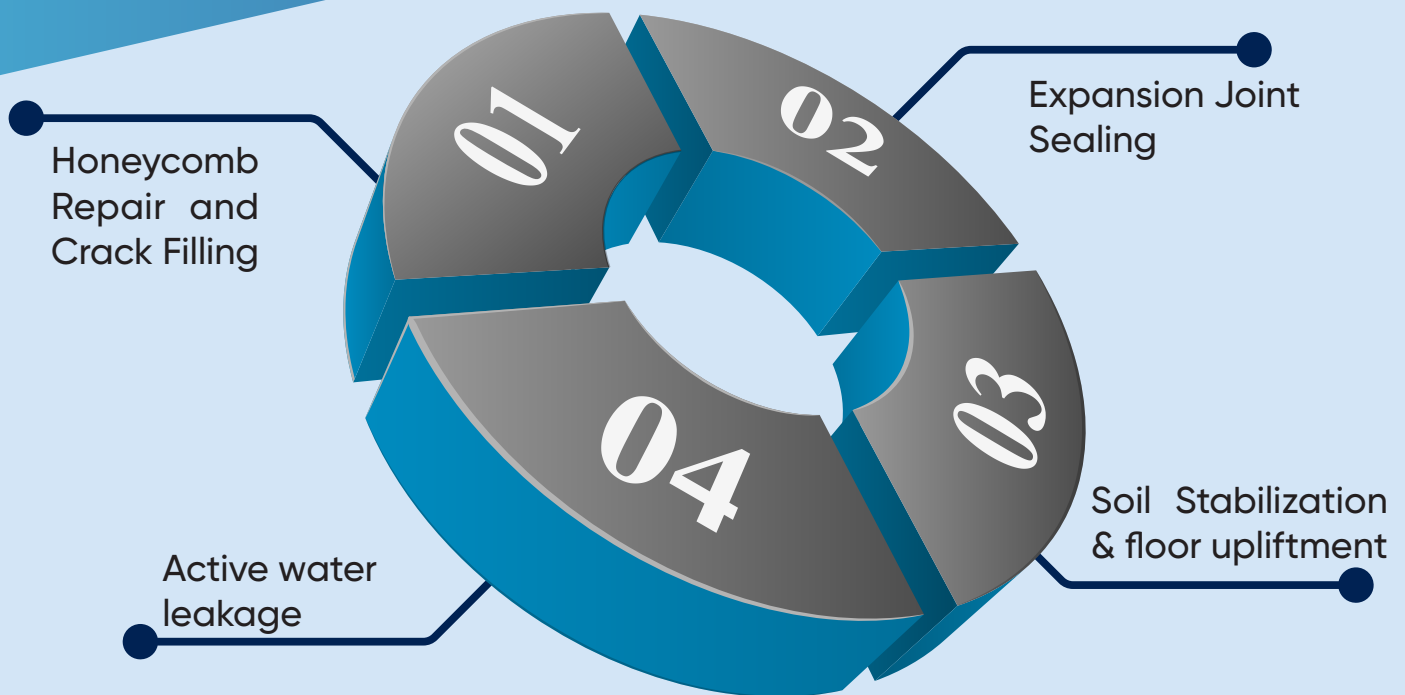
Corrosion / Carbonation Protection ◀

We provide corrosion and carbonation protection service after evaluation and condition surveys. We specify the coating system that protects against the ingress of carbon dioxide, oxygen and water, whilst allowing damp substrates to breathe without blistering.



Injection Grouting ◀

We provide injection grouting services for filling the cracks, open joints, voids or honeycombs, within the concrete or masonry structural members. This is done under pressure with the suitable grout material that cures in place to produce the desired results like strengthening a structure element, void filling and preventing water ingress.



Our service ◀

/// Pressure grouting to the RCC elements including pre/post-tensioned tandem system using ///

- Two-component solvent-free, low viscous, high penetration epoxy grout
- Low viscous, water displacing, high strength polyurethane-based resin system
- Micro cement mixed with non-shrink grouting additive



Pressure grouting to prevent active water leakage in water retaining structures, basements and diaphragm walls using

- ☞ Moisture insensitive epoxy-based resin system
- ☞ Moisture reactive polyurethane-based injection foam & flexible resin system
- ☞ Flexible acrylate gel for efficient sealing of moisture penetration using curtain grouting technique
- ☞ Cement gel grouting for void filling to fill major openings
- ☞ Quick setting product application for temporary/ permanent sealing



Soil stabilization, increase in soil bearing capacity & floor upliftment

- ☞ Expanding resin system for injection to consolidate the soil and increase the load-bearing capacity
- ☞ Embankment consolidation using specialized grouting techniques
- ☞ Realignment of the floor having level difference due to unequal settlement using high strength resins and uplifting techniques

Expansion Joint

We execute expansion joints at various levels like podiums, basements, terraces and retaining walls etc. in different sizes ranging from 25 mm in width to 500 mm in width and even more as per site requirement. We are having specialized joint treatment for underwater/water retaining structures. We also perform repairs and sealing of expansion joints, even in active water leakage conditions using specialized grouting techniques and materials. It is important to treat these joints as soon as damage is detected to prevent further deterioration and disruption. We carefully assess your site to find a solution that will provide long-lasting results.

Our Service

- ☑ Sealing of expansion joints using highly elastic membranes
- ☑ Polyurethane/ Polysulfide sealants for expansion joints
- ☑ Pre-moulded profiles for specialized sealing of expansion joints
- ☑ Treatment of expansion joints having active water leakages



Waterproofing ◀

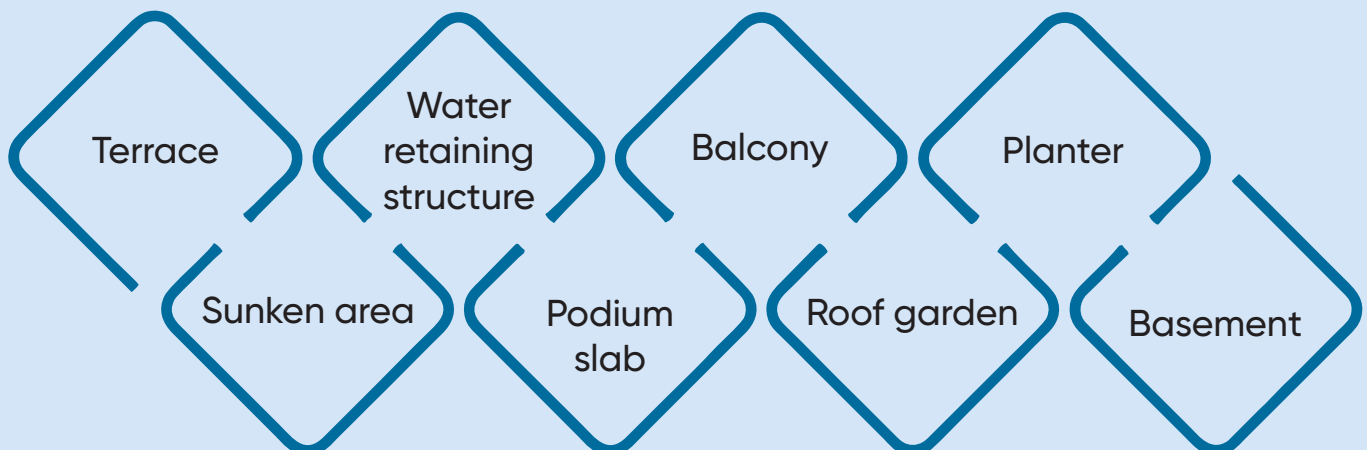
We provide professional waterproofing technical services to buildings requiring attention on issues related to water ingress, leakages, seepages & structural deterioration. Our trained experts identify and help solve the problem via the application of the specialized waterproofing system. Our expertise includes a full assessment of your installation in various property locations and at random stages through your project.



▶ We Provide

- | | |
|--|--------------------------------|
| ✓ Polymer-bound cement slurry coating system | ✓ Polyurethane membrane system |
| ✓ Bituminous membrane system | ✓ Water repellent system |
| ✓ EPDM-based membrane waterproofing system | ✓ Acrylic LAM system |

Area of Applications ◀



Flooring

We execute floor polishing and densification service by applying a concrete densifier to the top layer of a concrete floor to make it denser. This also makes the concrete perfect for polishing during the refinement process. We also provide floor repair systems for various requirements including restoration of the floor having potholes, level difference, high impact & abrasion needs, dust free & stain proof floor etc.



Floor repair
and resurface
treatment



Groove
cutting & filling
with semi-rigid
/elastic
sealant



Epoxy/ PU
based floor
coating, screed
& self-levelling
system



We Provide

Anti-stain
floor treatment &
densification
systems



With rising costs, every company needs an engineering partner capable of shortening the execution or maintenance time to offer them an early edge in the competitive business ecosystem. When you align with us, we offer you tangible benefits born out of our years of experience in the field.



Our structural engineering services cover a gamut of requirements like rehabilitation of existing facilities, retrofitting and structural strengthening. Our value system makes us a structural engineering firm dedicated to delivering results with;



Precision



Commitment



Accountability



Durability



Safety

These are our biggest strengths and which make our clients trust us. We also believe in going the mile for them, right from the first interaction to the last, we work closely with them to fulfill their requirements.



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