



SPECIALS



NIRMAN CONCRETE IS AMONG THE LEADING READY-MIXED CONCRETE MANUFACTURERS IN KOLKATA SET UP WAY BACK IN 2010 . CURRENTLY OPERATES A TOTAL OF 4 READY MIXED CONCRETE PLANT IN KOLKATA. THE COMPANY HAS BEEN THE HARBINGER IN SETTING HIGH STANDARDS FOR PLANT AND MACHINERY, PRODUCTION, QUALITY SYSTEMS AND PRODUCT SERVICES IN THE READY- MIXED CONCRETE INDUSTRY .

Waterproof Concrete

Waterproof Concrete is a water tight concrete containing specially formulated admixture that causes a catalytic reaction in the presence of moisture and the by products of cement hydration , to generate a non-soluble crystalline formation throughout the pores and capillary tracs of the concrete.

APPLICATIONS :

- Basements and retaining walls
- Swimming pools and water retaining structures
- Sewage and water treatment plants
- Lift pits and Foundations
- Tunnels and Subways



Marinecrete

Marinecrete is a high specialty concrete designed to withstand the coastal and aggressive environmental conditions which demand for the concrete to be highly impermeable and durable.

APPLICATIONS :

- Marine structures
- Structures near the coastline
- Sewage treatment plants
- Sea walls and armour units



Colourcon

Colourcon comprises an eye catching array of concrete that are suitable for a wide variety of architectural and decorative applications. These may either be everlasting integral coloured concrete surface. They combine the aesthetic appeal with the long lasting durability of concrete.

APPLICATIONS :

- Pedestrian walkways , footpaths and cycle tracks
- Floorings for parking areas , basements, etc.
- Artistic precast panels and products
- Civic monuments and surrounds
- Commercial and domestic flooring



Self Compacting Concrete

Imagine concrete flowing akin to water. Lo and behold your imagination becomes a reality with SCC a special concrete characterized by high resistance to segregation and which can be cast with minimal noise. Its unique free flow ability enables it to easily spread and fill every nook and corner of the farmwork.

APPLICATIONS :

- RCC members with heavy and congested reinforcement
- RCC elements of intricate and complicated shapes and designs
- Repair, restoration and renewal of RCC structures
- Retaining walls , rafts, footings and pile foundations .



Light Weight Concrete

Light weight Concrete is a light weight concrete with densities varying from 800 to 1800 kg/m³. It is a composite material consisting of portland cement and its varieties , light weight aggregate , porous fillers and modifying agents .

- APPLICATIONS :**
- Roofs and floors as an insulating material
 - Construction of partition walls
 - Low strength filler material for a variety of applications



HVFA (Green)

HVFA is high performance and sustainable concrete designed to offer current and future environmental objectives, which are high durability and low environmental impact.

Use of HVFA will help customers achieve points on Green Building Certifications such as LEED India , developed by the Indian Green Building Council (IGBC)

- APPLICATIONS :**
- Mass Foundation
 - Underground Structures
 - Concrete Pavements
 - General Industrial Flooring



HVFA (Foundation)

HVFA is a special concrete that makes foundations stronger and durable. It is characterized by high performance and high durability acquired through higher than normal replacements of OPC with PFA and / or GGBS and sometimes in combination with other supplementary cementitious materials.

- APPLICATIONS :**
- Pedestrian walkways , footpaths and cycle tracks
 - Footings of all shapes and sizes
 - Foundations of all types
 - Underground soil structures



Fibre Concrete

Fibre concrete is a concrete containing fibrous material which increases its structural integrity. Fibres include steel , glass or synthetic fibres.

- APPLICATIONS :**
- All terrace slabs to mitigate plastic shrinkage cracking
 - Heavy traffic wearing surfaces such as warehouses, container yards, Railway platforms etc.
 - All types of cement concrete pavements, industrial floors, airport taxiways and hangers, etc.



High Density Concrete

High Density Concrete is a specially designed heavy weight concrete with a density greater than $2600\text{kg} / \text{m}^3$ and can be used to protect and shield places with a greater risk of radiation .

- APPLICATIONS :**
- Radiation Shielding in nuclear power plants and radiation therapy units insides hospitals .
 - Heavy weight concrete is used as ballast in offshore locations such as pipelines, sea mattresses
 - Bridge construction



High Strength Concrete

High strength Concrete is a concrete characterized by its jumbo Strength and a dense microstructures, coupled with an increased elastic modulus and low creep.

- APPLICATIONS :**
- RCC columns and beams in high rise buildings, columns , beams and girders for urban infrastructure projects
 - Precast Structural elements ● Marine structures



Pervious Concrete

Pervious Concrete is a special category of modified concrete that permits rain and storm water runoffs to percolate through it, rather than flood surrounding areas of storm water drains.

- APPLICATIONS :**
- Car parking ● Rain water harvesting in housing societies ● Play grounds ● Nurseries and Gardens



Bag Concrete

Bag concrete is a tailor made concrete that is available in easy to handle small consignments. The concrete is engineered to retain the consistency and cohesiveness of the mix for a longer period, it combines with it the benefits of computerized batching coupled with portable quantity, which can be transported to remote places in the most safe and efficient manner.

- APPLICATIONS :**
- Repair / renovation works in buildings
 - Interior works in occupied buildings
 - Columns and their starters
 - Small concrete works like sunken slabs, steps, etc
 - Repair works of pavements, factory floors and drainage lines

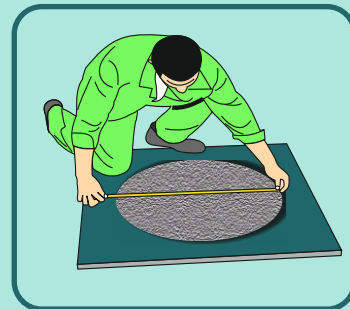


Free Flow Concrete

Free Flow Concrete is a very high flow, medium grade concrete requiring compacting effort. It readily spreads at the mere touch of a vibrating head to fill every nook and corner of the form work.

APPLICATIONS :

- In RCC members with heavy and congested reinforcement
- Retaining walls, rafts, footings and pile foundations



Screed Concrete

Screed Concrete is a well blended free flow concrete mix that is designed and produced to achieve the ability to flow under its own weight without any vibration, and also to retain its homogeneity without segregation.

APPLICATIONS :

- Base to receive final floor finish
- As a protective layer over damp proof membrane which is placed over the slab
- Covering the under floor heating pipe system
- Covering electrical and other conduits over RCC slab



Temperature Controlled Concrete

Temperature Controlled Concrete is a chilled concrete that responds to the technical requirements of concrete temperature. Its use controls the temperature differential between the core and surface of the concrete, thereby mitigating thermal tensile cracks.

APPLICATIONS :

- Massive raft foundations and deep beams
- Bridge foundations and bridge piers
- Large retaining walls
- Mass concrete works in dams, hydro-electric and power projects



Early Strength Concrete

Early Strength Concrete is an early high strength concrete which speeds up construction by allowing subsequent post concreting activities to be taken up earlier.

APPLICATIONS :

- Precast facilities beams , panels and specific elements
- Pavements and trafficked roads
- Concrete casting using Aluform systems
- Climbing and gliding form work systems
- Pre-stressed concrete structures
- Temporary water control structures
- Tunnels and subways

