



DISCOVER THE
CONCRETE
DIFFERENCE ►►

OUR PLANT INFRASTRUCTURE & CERTIFICATIONS

- ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007
Certified batching plant based at Gurgaon
- Plant Capacity 60 m³/hr
- Own Fleet of 31 TMs & 6 Concrete Pumps
- In House Laboratory & Water Treatment Plant

IN ABOUT ONE AND A HALF DECADE SINCE OUR INCEPTION WE HAVE SUCCESSFULLY DELIVERED

- More than 1.5 million cubic metres of RMC
- Served over 10,000 construction Projects
- More than 500 satisfied customers all over Delhi NCR

SHAILA SPECIALS

(VALUE ADDED PRODUCTS)

- Water Resist Concrete
- Colour Stamped Concrete
- Self Compacting Concrete
- Light Weight Concrete
- HVFA Concrete
- Fibre Reinforced Concrete
- High Strength Concrete
- Ice Concrete
- High Early Strength Concrete



BENEFIT TO THE CUSTOMERS

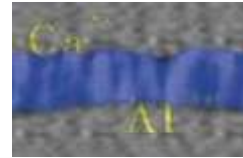
- Total NCR Coverage
- Quality Concrete
- Consistence Supply
- Transparency
- Technical Expertise
- Wide range of Products

Water Resist Concrete

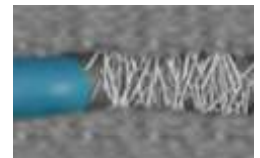
Contains specially formulated admixture that reacts with moisture in the fresh concrete and by products of cement hydration to cause a catalytic reaction. The process generates a non soluble crystalline formation throughout the pores and capillary tracts of the concrete making it Water Tight.



Water flowing through Capillaries



Catalytic Reaction



Crystal formation & Concrete becomes Water Tight



ADVANTAGES

- Keeps Water In or Out as required
- Waterproofing & Chemical Resistance remains intact even if the surface is damaged
- Effective against hydrostatic pressure
- Reduced risk of reinforcement corrosion
- Non Toxic & Cost Effective solution



APPLICATION

- Basement Retaining Walls
- Lift Pits
- Swimming Pools
- Water retaining structures
- Sewage & Water Treatment Plants
- Foundations

Colour Stamped Concrete

Normal Concrete made with Grey cement cannot provide the liberty to architects to explore their vision and bring variety in the treatment of various elements of the building. Colour stamped Concrete is flexible and easy to gel with any creative ideas and concepts.



ADVANTAGES

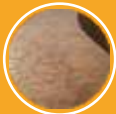
- Aesthetic, rich & multicolored designs.
- Infinite options can be explored by the Architects as per their vision and imagination.
- Easily available and low on maintenance costs.
- Smart color options with durable surface.
- Easy & fast installation



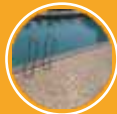
APPLICATION

- Pathways for buildings such as Malls, IT Parks, Hotels, Hospitals, Factories.
- Concrete Floorings for Parking Areas, Basements.
- Artistic Precast Panels and Products.
- Walkways in Entertainment Parks and Gardens.

VARIOUS PATTERNS



GARDEN STONE



RIVER / CREEK STONE



ASHLAR SLATE



BELGIAN BLOCK



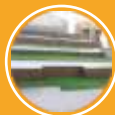
ENGLISH SLATE



RANDOM STONE



PERISHING SQUARE



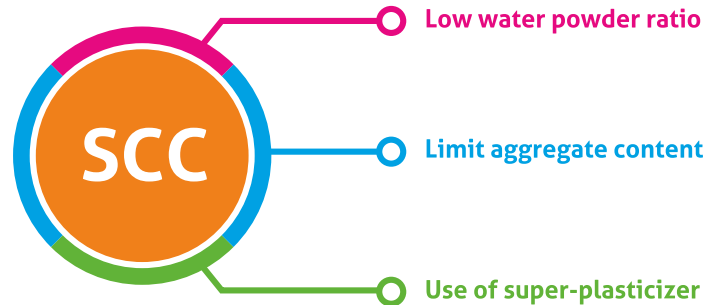
BOARD WALK



Self Compacting Concrete



Self Compacting Concrete is a Special concrete characterised by high resistance to segregation; can be cast with minimal compaction and can easily spread & fill every nook & corner of the formwork by its unique free flow ability.



ADVANTAGES

- Better progress, speedy project completion.
- Great surface finish; no honey combs
- Less Manpower
- Environmental friendly
- Greater freedom to design complex structures
- Reduces cost of Plastering of Ceiling & Columns



APPLICATION

- RCC members with heavy and congested reinforcement.
- RCC complicated shapes and designs
- Repair, restoration and renewal of RCC structures.
- Retaining Walls, Columns, Raft Foundations, Footings and Pile Foundations

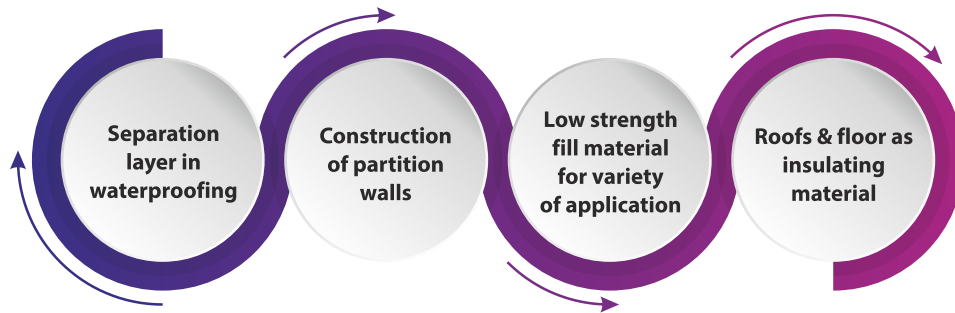
Light Weight Concrete

Light Weight Concrete comes within a wide range of densities, varying from 600 – 1800 kgs/cum. Self weight of concrete structure represents a large portion of the loading for design consideration. If the same can be reduced for Non Structural applications, considerable economics can be achieved in terms of reduction in the cost of formwork and manpower etc.

HVFA Concrete

HVFA Concrete is a truly High Performance and High Quality sustainable concrete designed to offer current and future environmental objectives which are high durability and low environmental impact. High replacement levels of OPC in a concrete mix with PFA and / or GGBS.

Even a portion of the natural aggregate can be replaced with more sustainable by-products of other industries, boosting the concrete's durability parameters.



ADVANTAGES

- Sustainable & Durable
- Continued Strength gain up to later age
- Reduces the initial Rapid rate of Hydration
- Mitigates Cracking
- Better Consistency & Retention



APPLICATION

- Mass Foundations
- Concrete Pavements
- Underground Structures
- General Industrial Flooring
- Reinforced & Precast Concrete Elements

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ADVANTAGES

- Sustainable & Durable
- Continued Strength gain up to later age
- Low Heat of Hydration
- Mitigates Cracking
- Better Consistence Retention

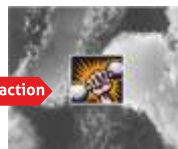


APPLICATION

- Mass Foundations
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OPC/Silicates



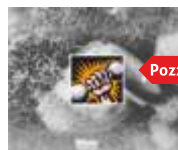
C-S-H



Ca(OH)₂
or Portlandite



Water



C-S-H



Fly Ash / GGBS

Hydration Reaction

Pozzolanic Reaction

Fibre Reinforced Concrete

Fibre Reinforced Concrete is concrete containing fibres which increases its structural integrity. Depending upon application various fibres like Steel and Synthetic Fibres are used.



ADVANTAGES

- Reduced Plastic Settlement & Plastic Shrinkage Cracking
- Increased Durability
- Increased homogeneity & Reduced Bleeding
- Improves Rheology of fresh concrete
- Reduces Spilling of concrete in fire situations
- Improves Flexural Strength
- Resists corrosion of Steel



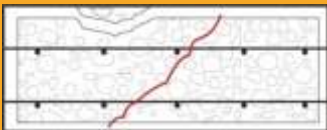
APPLICATION

- Industrial Flooring
- Commercial & Residential Building (Slabs /Ramp)
- High Performance Concrete pavement
- Bridges and Dams
- PQC Roads



KEY ADVANTAGES

Resist Crack Propagation



Conventional reinforcement leads to the unreinforced concrete cover, FRC provides reinforcement everywhere

Improves Durability



Corrosion resistance is increased with FRC (discontinuous and discrete reinforcement)

High Strength Concrete

The Construction industry in our country is poised for a boom in vertical direction. Existing metros and fast developing cities are generally reeling under the scarcity of land and the overwhelming surge in population growth. Existing Infrastructure is under tremendous pressure. Here High Strength Concrete comes as a rescue.



ADVANTAGES

- Very high strength & dense concrete
- Low water to binder ratio
- High early strength allows faster construction
- Increased elastic modulus and lower creep
- Increased floor space availability
- Higher durability



APPLICATION

- RCC columns and beams in High Rise Buildings.
- Precast Structural Elements.
- Long span Beams and Girders of RCC & Precast Concretes.
- Marine structures.
- High Performance concrete with longer service life design

North Eye (NOIDA)

Ice Concrete

The hydration of concrete mixture is a process that liberates heat and, the rate of heat generation is accelerated with an increase in concrete temperature. Concrete is a poor conductor of heat. Evolution due to hydration process is much greater than the rate of heat dissipation. Thus development of high concrete temperatures can cause a number of effects that are detrimental to the long term concrete performance.



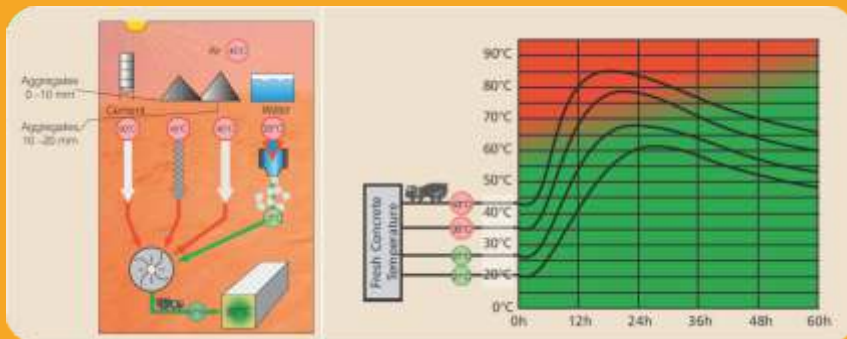
ADVANTAGES

- Controls the temperature differential between the core and the surface of the concrete, thereby mitigating thermal tensile cracks
- Controls early setting & stiffening of concrete
- Reduced plastic shrinkage cracks in fresh concrete
- Prevents Delayed Ettringite formation
- Reduces the immediate curing demand of concrete
- Continued strength gain on later age of concrete



APPLICATION

- Mass raft foundations & deep beams
- Bridge foundations & bridge piers
- Large Retaining Walls



High Early Strength Concrete

High Early Strength Concrete is a range of early strength concretes which speeds up construction by allowing either subsequent activities post concreting such as pre stressing to be taken up earlier or quick release of formwork or putting the structure to early use.



ADVANTAGES

- Increased productivity through quicker removal of formwork
- Accelerates critical sections of a construction process
- Structure can be put to intended use earlier
- Reduced labour hours & equipment rentals
- Cost effective solution



APPLICATION

- Precast facilities
- Pavement & trafficked roads
- Concrete casting using Aluform system
- Climbing & gliding formwork systems
- Pre stressed concrete structures
- Temporary water control structures
- Tunnels & Subways



GOVERNMENT DEPARTMENT APPROVALS



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