



AHUJA CONCRETE

— Redefining the pace & quality of construction

AHUJA CONCRETE PRODUCT GUIDE

Ahuja Concrete is one of the leading ready-mix concrete producers in Noida region supplying a full range of quality concrete products to satisfy the needs of construction industry.

Our portfolio of products and services are designed to meet the needs of any construction project. And this, coupled with our innovative product development team, ensures we can effectively supply products for an extensive range of ready mix concrete needs.

Ahuja Concrete – Plant

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AHUJA CONCRETE

In 1958, Ahuja concrete installed its first stone crusher. It was a pioneering step in this highly critical field. The company forayed into ready mix concrete manufacturing in 2006, and has been producing highly-quality construction-level concrete since then. The company has grown its capacity phenomenally over the years to meet the growing demand.

Ahuja Concrete is a well-known manufacturer of Ready Mix Concrete. Set up in 2007, the company has grown from strength to strength.

Cutting-edge technology and innovation are the key factors that drive us, and have brought us to the forefront despite stiff competition. As part of value offering, we deploy expert quality systems to manage the entire spectrum of quality parameters including raw material, efficient raw mix design. We carry out cube test results to analyse data statistically.

Homogeneous mixing of concrete is ensured by use of special high-efficiency pan-type mixers. Well trained and experienced engineers oversee every plant to take care of the quality and production.

Ahuja Concrete has played a major role in the widespread construction that we see in Greater Noida and its surrounding areas. Be it commercial, industrial and residential sections of the construction industry, Ahuja Concrete's contribution by providing concrete mix is common.

Manufactured at state-of-the-art computerised automatic batching and mixing with contemporary technology at Greater Noida plant.







OUR ETHOS

AIM

Ahuja Concrete aims to become one of the leading concrete products and solutions providers in the country; exceed the benchmark of quality by offering innovative customized solutions and expand the client base



OUR VISION

To be a premium and pioneer brand in ready-mix concrete business with a clear focus on quality and capacity building.

OUR MISSION

At Ahuja Concrete, We are determined to cultivate a global vision with approach. In order to realise our outlook, we adopt the following objectives:

- Adhere to global standards of product quality
- Enabling total customer service along with trusted delivery models
- Adopting to high levels of customization based on client's needs
- Emphasizing on continuous R&D and innovation for enhancing product performance
- Enabling a cohesive working environment for employees to enhance their overall productivity and growth
- Employee Satisfaction - Primary Moto



OUR CAPABILITIES AT A GLANCE



Our Plant and machinery:

Aside from human intelligence and expertise, it's our machines at Ahuja Concrete that make us one of the most formidable suppliers of high quality cement mix. The RMC that we supply is produced in our fully automated and computerised batching plant. After producing the concrete according to our client's specifications it is transported to your site using sophisticated transit mixers.

Using our concrete pump we can discharge concrete at high elevations and over long distances. Below are the details of material infrastructure that we have installed and operational at our concrete processing plant

S. No.	Description	Manufacturer	Qty.
1	Batching Plant Schwing	Schwing Stetter – M1	1
2	Batching Plant Schwing	Schwing Stetter – CP 30	1
3	Concrete Pump	Schwing / Putzmeister	7
4	Loaders	Liugong / JCB	2
5	Transit Mixers	Stetter / TATA	16
6	D.G. SET 250 KVA	Kirloskar	1
7	Laboratory	Fully Equipped with latest testing	1





SITE AT NOIDA

OUR PRODUCT RANGE AT A GLANCE

- Self-Compacting Concrete
- Water Proof Concrete
- Light Weight / Foamed Concrete
- Fibre Reinforced Concrete
- Colour Concrete
- High Performance Concrete
- High Early Strength Concrete



Benefits of Ahuja Concrete



STRENGTH

Ahuja Concrete mixed with high quality additives which makes your building strong. We do highly qualified lab test to make your building strong and durable.



QUALITY

Quality control for site mixing concrete will unpredictable, but Ahuja ready-mix concrete ensures you by quality checking laboratories and fully automated machineries.



DURABILITY

In the long run, Ahuja ready-mix concrete Buildings and pavements stand the test of time through their extreme durability and low maintenance requirements.



ECO-FRIENDLY

Ahuja RMC is an Eco-friendly product so as always this product of us can also be termed as an essential product at this age of fast construction.



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USE: FOUNDATIONS AND FLOORS

READY MIX CONCRETE

Ahuja Concrete does not “simply manufacture concrete”, but develops solutions based on the thorough knowledge and application of concrete technology. Leveraging years of experience, a worldwide pool of knowledge, and state-of-the-art expertise about the different concrete constituents and their interaction, Ahuja Concrete offers its customers “concrete by design” Tailor-designed concrete.

Ahuja offers a special concrete portfolio, comprised of such products as ultra-rapid hardening concrete, water resistant concrete, self-consolidating concrete (SCC), architectural concrete, Light Weight concrete, fibre reinforced concrete and a number of others specialized RMC Mixtures.



Specifications

Ahuja Concrete deals with all grades for RMC ranging from:

Ordinary Concrete
M-10 ~ M-20

Standard Concrete
M25 ~ M55

High Strength Concrete
M60 ~ M80

USE: SWIMMING POOLS & BASEMENTS

WATER PROOF CONCRETE

Ahuja Waterproof Concrete Mix is a watertight concrete system suitable for basements, swimming pools, lift pits, green rooftops and many other structures that require effective waterproofing.

In practice this is achieved by changing the composition of standard concrete to maximise water resistance and/or by inserting a vapour barrier, such as an impermeable membrane, during construction.

Applications

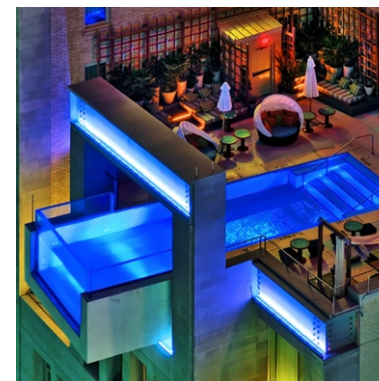
- Swimming pool
- Green Rooftops
- Reservoirs
- Basements
- Water tanks
- Dams
- Sewage treatment works
- Liquid storage tanks
- Basements
- Tunnels
- Underground Car Parks

Key features

- Water is kept within or outside as required
- Ensures effectiveness of waterproofing and chemical resistivity even if the surface is damaged
- Water resist concrete works well against hydrostatic pressure
- Risk of reinforcement corrosion greatly reduced
- Non-Toxic to health and also gives value for money

Benefits

- Enhanced long term performance
- Increased Durability
- Reduced water and water vapour permeability
- Reduced porosity
- Reduced drying shrinkage
- Enhanced Chloride diffusion resistance



USE: OFFICE COMPLEXES & RCC STRUCTURES

SELF-COMPACTING CONCRETE

This special concrete is characterised by its high resistivity to segregation. This means that the Self Compacting Concrete does not require much compaction while casting. Its free flowing ability is unique in itself and ensures that every nook and corner of the framework is easily filled.

Applications

- All challenging specialist applications
- Complex reinforced formwork
- Bespoke design solutions

Key features

- Easily placed and economical
- For all applications requiring top performance and finish
- Reduced labour required for placing, levelling and finishing
- Suitable for challenging designs and complex formwork
- Enhanced workability and excellent early strength
- Self-levelling reducing placing time
- No compaction necessary
- Reduced noise and health & safety issues
- Sets with a smooth surface that requires minimal further finishing

Benefits

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- Reduced noise and health & safety issues
- Meets or exceeds the relevant British and European Standards



USE: MASS FOUNDATION AND UNDERGROUND STRUCTURES

LIGHT WEIGHT FOAMED CONCRETE

Ahuja foamed Concrete is a range of low density foam concrete designed specifically for voidfill, stabilisation and other lightweight applications. Foamed concrete is a highly workable, low density material incorporating up to 80% air. It is generally self levelling, self compacting and may be pumped. Risk of plastic shrinkage or settlement cracking is significantly lower than that of standard concrete.

Applications

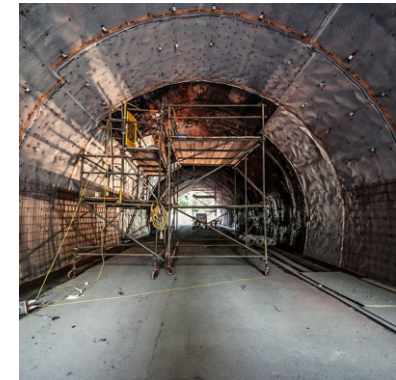
- Raft foundations of houses
- Foundation layers beneath sports fields
- Grouting material for segmental tunnels
- Pipelines
- Culverts and Subways
- Redundant Sewers
- Cellars and Basements Higher
- Bridge Abutments
- Tunnel Stabilisation
- Low density insulating sub-screed

Key features

- Durable and sustainable
- Considerable gain up of strength continued to later stage
- Hydration heat is low
- Cracking is alleviated
- Consistence retention is much better

Benefits

- Highly Fluid & Self Levelling
- Can Be Pumped easily
- Lightweight
- Freeze / Thaw Resistant
- Insulating Properties
- Load Spreading
- Reduced Manpower
- Negligible Risk of Subsidence



USE: UNIQUE DESIGNS BRIDGES, DAMS, PQC ROADS

FIBRE REINFORCED CONCRETE

Ahuja Concrete has a range of fibre reinforced ready-mix concretes including Polypropylene Fibres, Advanced Polypropylene Fibre, and Steel Fibres .

Fibre Reinforced concrete adds strength to your concrete by adding fibres. By adding polypropylene fibres to your mix you will enhance the concrete or screed mix and offers following additional features and benefits:

Applications

- Industrial floors
- Concrete structures
- External hard standings & car parking
- Heavy duty flooring applications – internal & external
- Civil engineering applications
- Joint less floors
- Bridges and other infrastructure

Key features

- 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

Benefits :

- No need for crack control wire mesh (therefore material and labour costs reduced)
- Reduced plastic cracking
- Impact and abrasion resistant
- Enhanced surface finish
- Longer lasting concrete
- Improved durability & reduced permeability



USE: BRIDGES, DAMS, PQC ROADS, PAVEMENTS

HIGH PERFORMANCE CONCRETE (HPC)

When you are placing concrete in harsh conditions where aggressive chemicals or high levels of abrasion are present then you need a high performance concrete that can provide the highest levels of durability and technical performance.

Ahuja HPC offers a range of advanced concretes, carefully formulated with microsilica and the latest admixture technology to produce high performance concretes with exceptional levels of durability in the harshest of environments.

Applications

- Airfields
- Chemical works
- Recycling centres
- Sea defence work
- High rise buildings
- Effluent treatment plants
- Transport infrastructure
- Ports, dockyards and container handling facilities

Key features

- High impact & abrasion resistance
- High Strength
- Enhanced Resistance to chloride, sulphate attack
- High Flexural Strength
- High Early Strength
- Resistant to High Temperatures

Benefits :

- High impact and abrasion resistance providing extremely durable surfaces for paving and flooring applications
- High strength concrete suitable for use in heavily loaded applications
- Very low permeability giving enhanced resistance to chloride, sulphate and acid attack
- Higher flexural strength than conventional concrete allowing reduced design thicknesses for floors and paving applications
- High early strength allowing rapid access to the finished structure
- Easy to place and finish with standard placing techniques
- Enhanced resistance to high temperatures



USE: FLOOR SCREEDS

EARLY STRENGTH CONCRETE

Ahuja Concrete offers a range of high early-strength concretes that speed up construction by allowing quick release of formwork. In an ever demanding and extremely competitive environment with tight deadlines, speed and efficiency are critical. The quick setting times of our FastTrack range enable users to dramatically increase the productivity of the construction process. FastTrack has been developed for fast-track construction, thinner sections, carriageway replacement, Metro hard standings, warehouses and precast structures. Our fast-track solutions also help meet the specific engineering demands of individual contracts, ideal for infrastructure projects such as road and rail renovation.

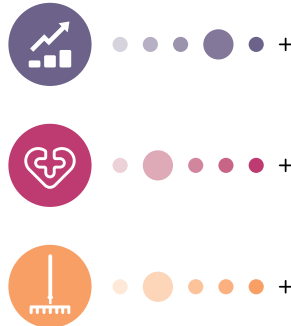


Applications

- In buildings: columns, walls, beams, slabs, panels
- In civil engineering: high walls, tunnels, roads, airport hard standings, rail possession
- In precast facilities: beams, panels, specific elements
- Accelerate critical sections of the construction process
- Regain time if the construction process has been previously delayed
- Ideal for areas where early trafficking is a critical construction issue such as yards, car parks, access roads and floor areas
- Water control structures where long term diversion of water is impractical

Benefits

- Reduces production time and increases productivity
- Cost savings through reduced labour and cost for rental construction equipment
- Ensures production deadlines can be met with confidence
- Reduces the requirement for external heating
- Achieves high early-strength and high ultimate strength giving a very durable concrete



USE: MUSEUMS, AIRPORTS, CYCLE PATH

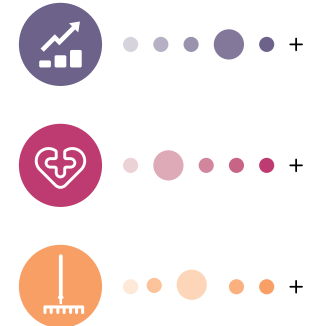
COLOURED CONCRETE

Ahuja coloured concrete range can add a whole new dimension to your project. It can be used wherever conventional concrete is specified and can be colour-matched to blend with the surrounding area or help your project stand out from the crowd. The coloured concrete range of high quality ready-mixed concretes is available nationally in a range of standard colours – or we can produce a bespoke mix to your exact requirements. Coloured concrete provides a permanent, cost-effective alternative to decorative surface coatings and brings colour and texture to a wide range of structures – from footpaths, flooring and facades to skate parks, shopping centres and sea defences.

Applications

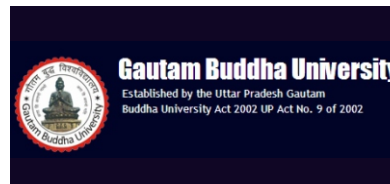
Applications

- Architectural design – create a feature or tone with the surroundings
- Public buildings – e.g. museums, showrooms, schools, airports, etc
- Walkways and cycle paths – brighter colours for safer pedestrians and cyclists
- Parking – delineate parking bays
- Leisure – use in skate parks and sports centres
- Industrial flooring – demarcation for safer working
- Domestic – for driveways, patios and domestic use



Benefits

- Enhanced design flexibility – decorative and textured finishing techniques and effects
- Colour consistency – throughout each batch and from batch to batch
- Fade resistance – to sun and weather
- Durable – long lasting with little or no maintenance
- Wide range of colours available – extensive standard range with bespoke options available
- SRI (Solar Reflectivity Index) – many colours help to reduce the carbon footprint by allowing for reduced lighting requirements



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