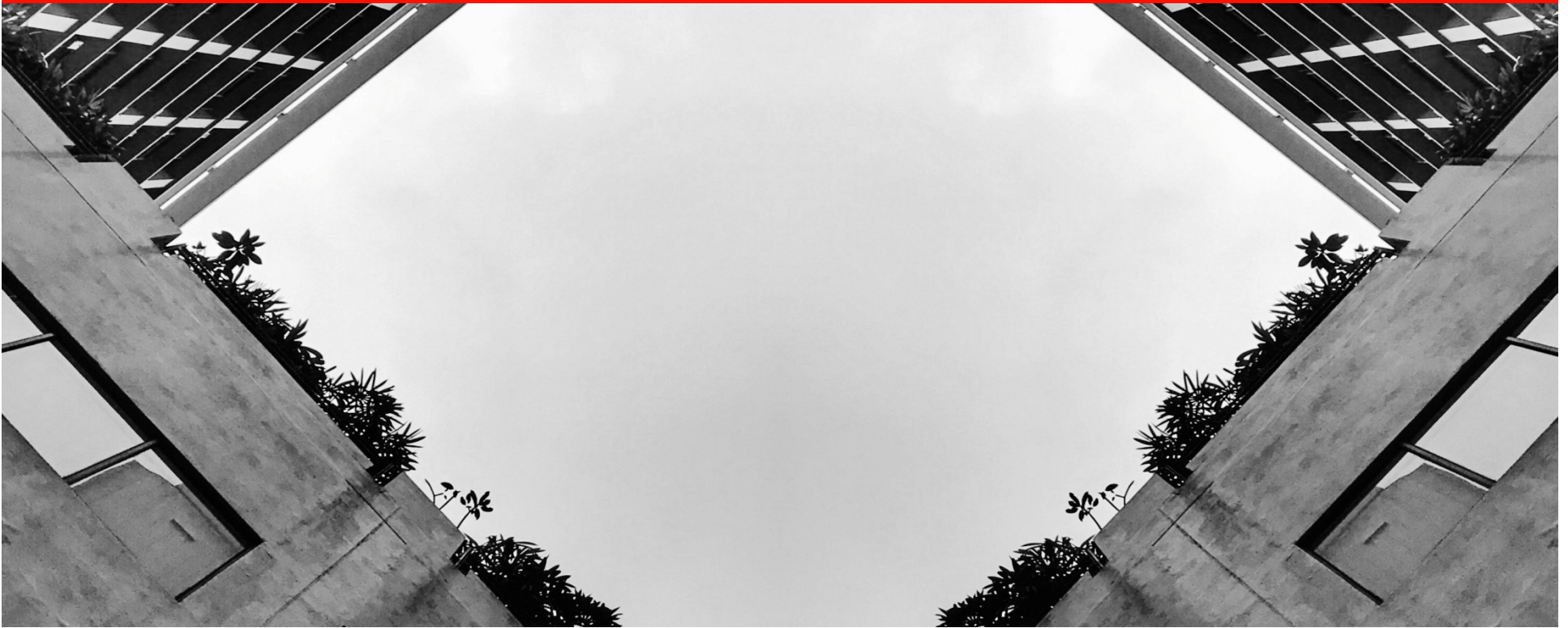




Value Added Solutions



Innovative Concrete Solutions, Proudly Delivered By People You Can Trust

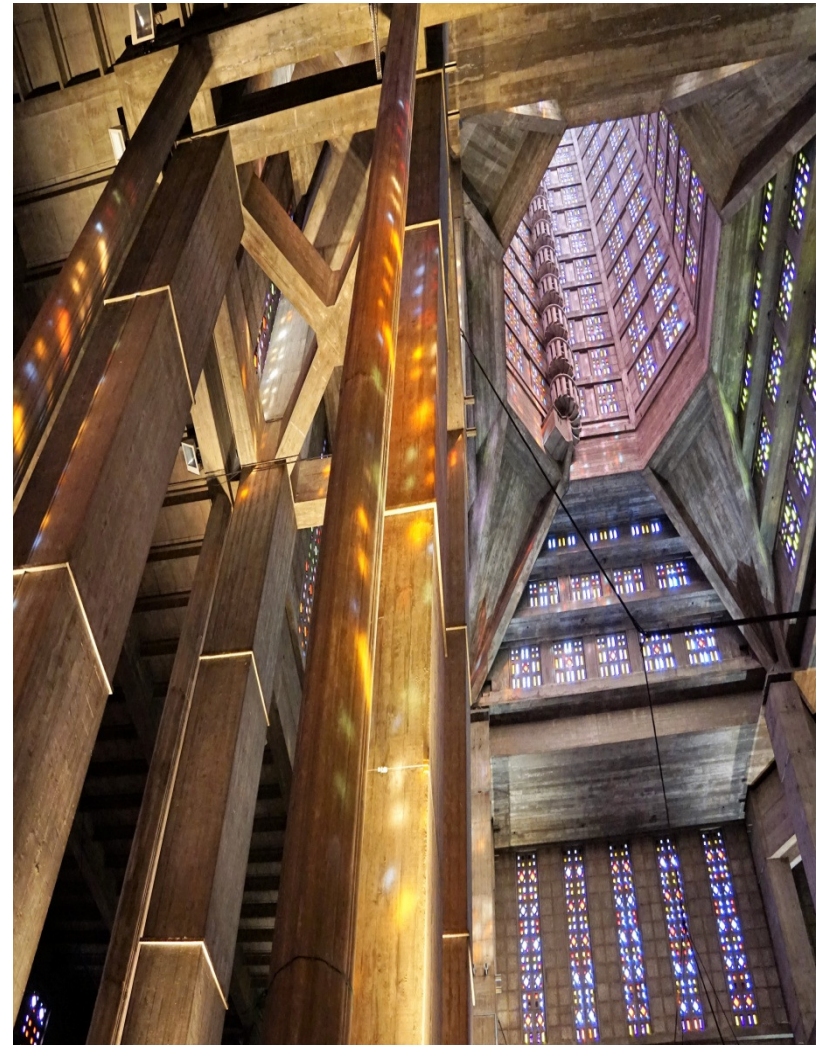
ACC UltivacreteTM - High strength Concrete

Ultivacrete is High Strength concrete that offers a significant high workability, high strength and high durability than traditional concrete.

Ultivacrete HS is an ultra high strength concrete generally with specified compressive strength of **65 MPa** & above.

Standard Concrete Specification:-

	Ultivacrete	Ultivacrete HS
Strength class	40 – 60 MPa	65 – 120 MPa
Flow	N.A	500-650mm
Fluidity	Moderate	High
Segregation resistance	Moderate	High
Slump	120-200mm	N.A



ACC UltravacreteTM - High strength Concrete

Benefits:-

- Efficient concrete use

One of the concrete solution towards sustainable construction is to optimize or reduce the sizes of concrete elements in a building. 45% reduction in concrete column size for M80 to M100 when compared with M35 & M40. It also helps to reduce the volume of concrete upto 45%.

- Efficient Structure

It reduces the amount of reinforcement required & attains high durability

- Easy placement

Due to high flow ability it can be easily placed in congested reinforcement. It also allows earlier removal of formwork & propping.

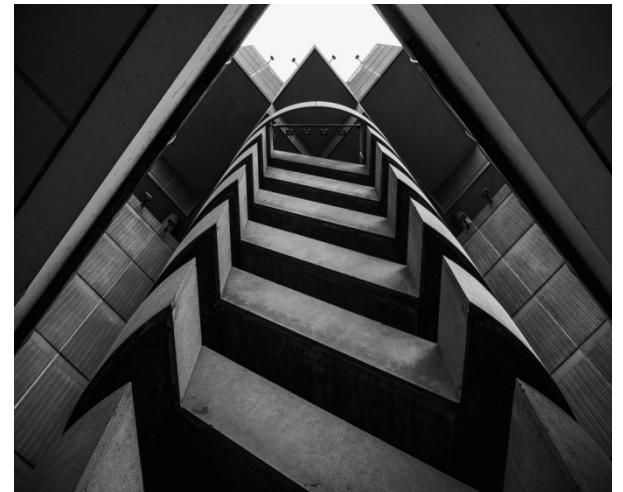
- Low Shrinkage

- Controlled temperature

- Cost advantage & savings

Application:-

- For high rise building structural elements:- columns, walls, lift shafts, beams, minimal structural member size
- Infrastructure use such as long span bridge, high bearing capacity structural elements
- Special structure design especially for dynamic area

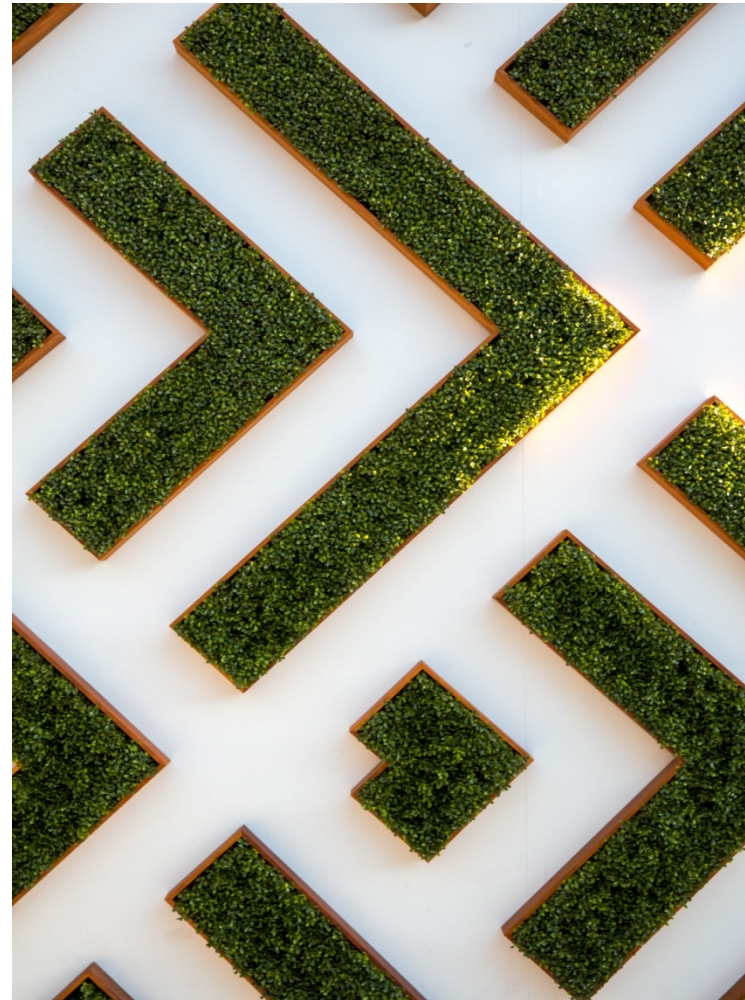


ACC Imprintcrete® – Stamped Concrete

Imprintcrete is a range of concrete to be printed or stamped for making decorative surfaces on porch, paving. It can be designed from M25 to M35 MPa compressive strength at 28 days as per the requirement. Higher grades are also available if required. The aesthetic results are achieved by affixing moulds or stencils on fresh concrete surface phase curing. The final appearance resembles that of natural materials such as stone and wood.

Standard Concrete Specification:-

	Imprintcrete
Strength class	25 – 35 MPa
Workability	Can be designed as per the requirement



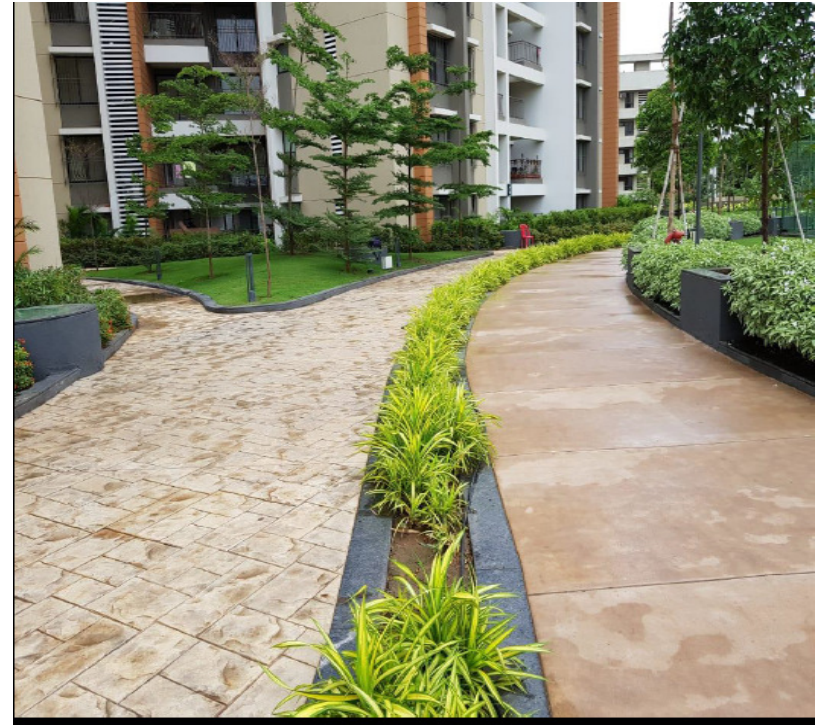
ACC Imprintcrete® – Stamped Concrete

Benefits:-

- Imprintcrete offers wide opportunities for aesthetic and sustainability
- Wide choice of shapes, textures and colours.
- Durable and Impact resistant
- Easy maintenance
- Weatherproof

Application:-

- Porch
- Footpath and walkways
- Poolside
- Private access such as garage, patio
- Decorative landscape for parks and gardens
- Driveways

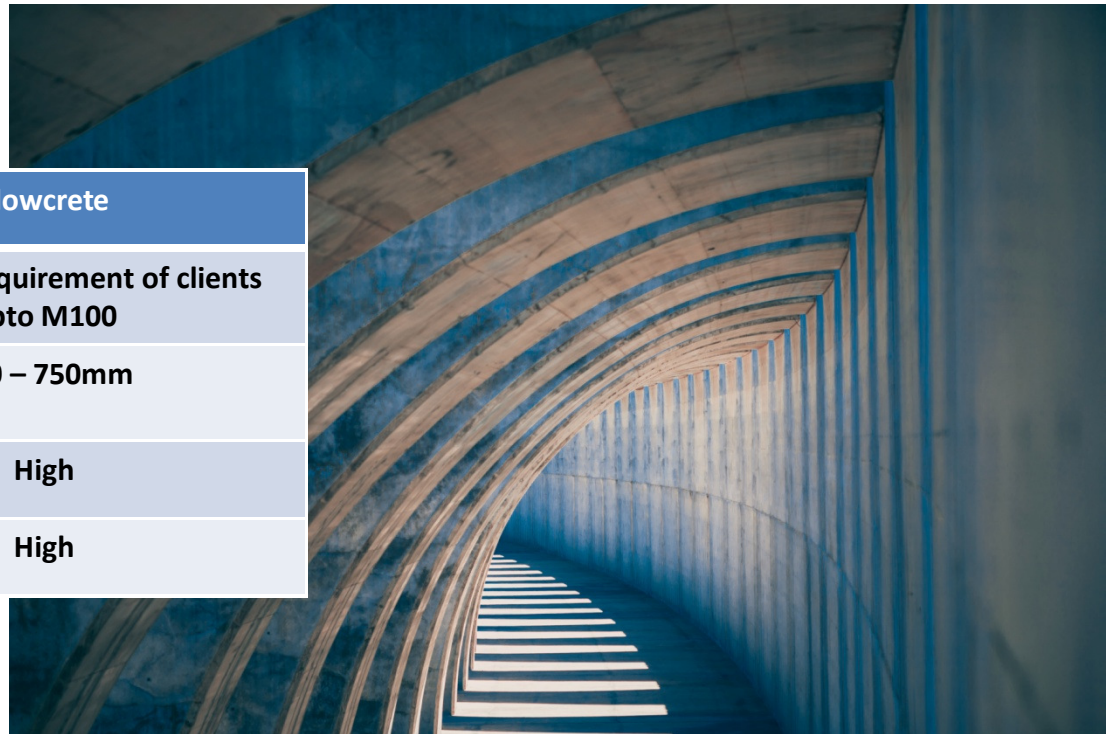


ACC Flowcrete - Selfcompacting Concrete

Flowcrete is an innovative concept and based on an optimized mix-design using new generation of admixtures. It is a speciality of concrete having self-compacting and self levelling characteristic providing a very high performance concrete. It is one of the solutions towards noise-free placement of concrete with challenging task of placing concrete in to heavily reinforced structure sections & for night concreting in residential area to reduce noise of vibrator.

Standard Concrete Specification:-

	Flowcrete
Strength class	As per the requirement of clients upto M100
Flow (SF1-SF2-SF3)	550 – 750mm
Fluidity	High
Segregation resistance	High



ACC Flowcrete - Selfcompacting Concrete

Benefits:-

- Easy placement

Due to high flow ability it can be easily placed in congested reinforcement. It also allows earlier removal of formwork & propping.

- Shortened time

It shortens construction time because of faster and simple concrete placement.

- Labour savings and higher productivity

It can be done by 2 worker instead of 3-5 nos. and thus speed up the construction process and reduces overall construction time and cost

- Protection against corrosion & carbonation

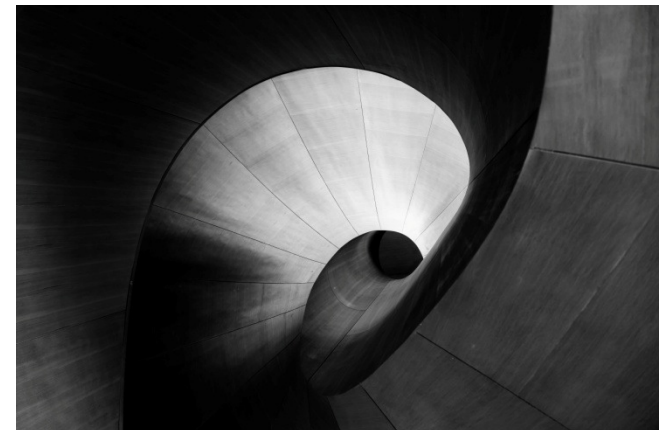
The highly fluid dense concrete embeds the reinforcement perfectly and creates an excellent bond between concrete and steel reinforcement. Thus, it increases the durability of the concrete, resulting in the extension of building lifespan.

- High workability & cost reduction

- Smooth surface appearance

Application:-

- Slabs, column, beams, foundations, congested reinforced section where it is difficult to vibrate sections and other specific needs



ACC Jetsetcrete® - High Early strength Concrete

Jet-setcrete is the concrete solution that is designed to gain ultra high early strength within few hours or as per the customer requirement and with self-leveling features suitable for faster constructions demand to achieve project completion within short period of time.

Standard Concrete Specification:-

	Jet-setcrete
Strength class	High strength gained as per the requirement of the customers
Flow	550 – 700mm
Fluidity	High
Segregation resistance	High



ACC Jetsetcrete® - High Early strength Concrete

Benefits:-

- High early strength

Strength is developed after 10 hours and as such early stripping of mould & faster use of moulds for precast applications.

- Easy Flow

It has high flow ability makes congested reinforcement steel bars easily accessible

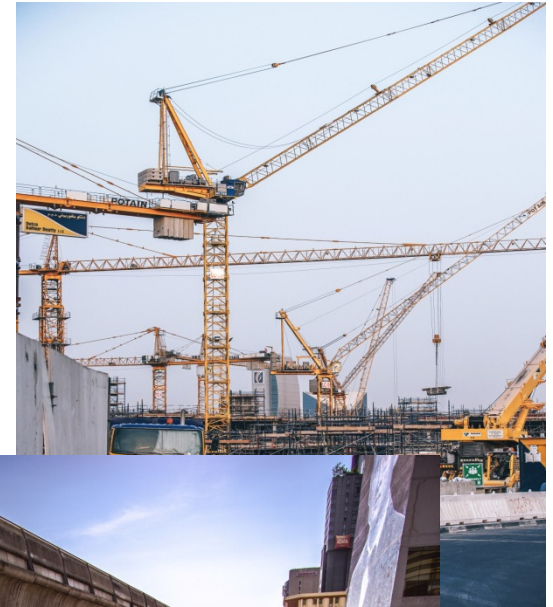
- Short execution period

For high rise building Jet-setcrete will give faster construction from the shorter floor cycles.

Application:-

- Urgent repairs of concrete pavements, airport runways, precast & pre-stressed concrete where it is crucial for concrete to gain strength after 8 hours.

- High rise buildings & all other concrete application that requires high early strength



ACC Lifecrete™ Green Concrete

Lifecrete -concrete designed to meet sustainable construction needs. Lifecrete has much lower level of embodied CO₂ than if ordinary cement was used. The concrete shows very high durability against external weathering losses

Standard Concrete Specification:-

	Lifecrete
Strength class	All grades
Workability	Medium
Durability	High



ACC Lifecrete™ Green Concrete

Benefits:-

- Controls Sulphates and ion ingress
- Reduces heat of hydration
- Reduces carbon footprint
- Improves workability

Application:-

- Marine & Coastal Structures
- Water & Sewage Treatment works
- Embankments & Backfills



100 Cum Of Lifecrete with 50% Green Substitutes Saves 13.53 Tonnes of CO2 Emission

ACC Fibercrete® Fibre reinforced Concrete

Fibrecrete - Fibre reinforced concrete for tough slabs and floors

Fibrecrete is a concrete containing fibrous material which increases its structural integrity mainly tensile strength when compared to normal concrete.

Fibres in concrete also help in controlling minor shrinkage cracks which usually occurs during the process of Hydration

Standard Concrete Specification:-

	Fibrecrete
Strength class	Can be designed as per requirement
Fibres	PP/Steel
Fluidity	Medium



ACC Fibercrete® Fibre reinforced Concrete

Benefits:-

- Improved freeze-thaw resistance
- Improved resistance to explosive spalling in case of a severe fire
- Improved impact resistance
- Increase resistance to plastic shrinkage during curing

Application:-

- Main application would be in roads, industrial floorings, roof slabs and high strength concretes and wherever shrinkage might be an issue.
- Residential: including driveways, sidewalks, pool construction with shotcrete, basements, foundations, drainage, etc.
- Commercial: exterior and interior floors, slabs and parking areas, roadways and highways



ACC Coolcrete® - Temperature Controlled Concrete

Coolcrete is a temperature Controlled Concrete with placement temperature of 32 degree and below and/or as per the customer requirement.

Temperature controlled concrete is necessary to prevent the rise of internal temperature of the concrete beyond specified limits for mass concrete or large pours, such as thick slabs, beams and columns or any volume of concrete with dimensions large enough to require that measure to cope with heat of hydration

Standard Concrete Specification:-

	Coolcrete
Strength class	As per the requirement of clients upto M100
Flow	550 – 750mm
Core Temperature	<80 deg C
Segregation resistance	High
Placing Temperature	<32 deg C



ACC Coolcrete® - Temperature Controlled Concrete

Benefits:-

- **Controlled Hydration**

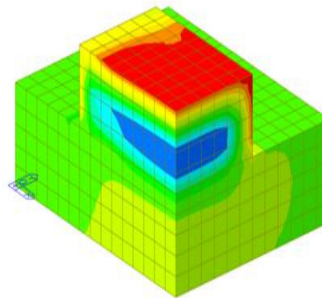
ACC Coolcrete is designed with special additives that controls heat of hydration which helps in eliminating the threat of thermal cracking and delayed ettringite formation in mass concrete.

- **High Durability**

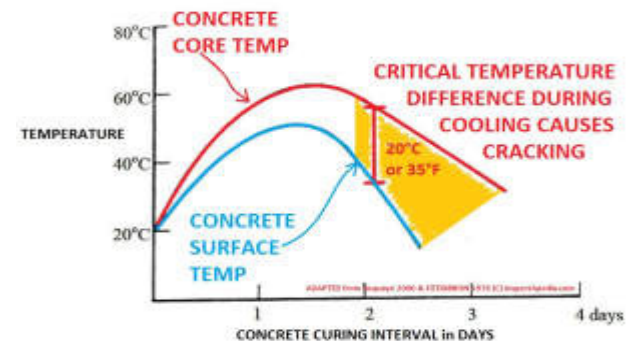
Strength after 7 days will be higher as compared to normal concrete. Having additional cementitious material low permeability, fundamental of durability is obviously satisfied.

Application:-

- Coolcrete is designed for mass concrete that is technically specified as concrete structure with larger dimension, such as dams, large column, mat foundation & diaphragm wall
- It is also good for durability



CONCRETE CRACK FORMATION vs CORE TEMPERATURE Δ

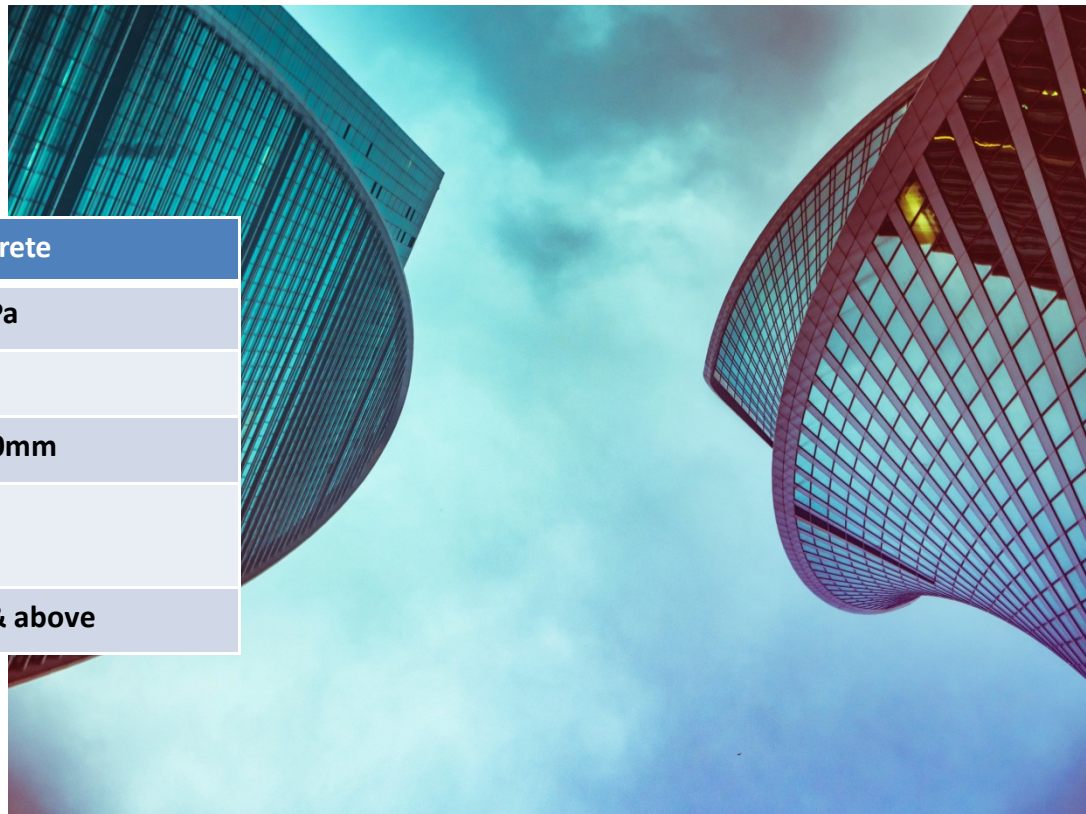


ACC Feathercrete® – Lightweight Concrete

Feathercrete is light weight concrete which is 50-75% lighter than normal concrete. It has thermal insulating properties & sound insulation. It has improved thermal properties, reduced structural loading and fire resistant.

Standard Concrete Specification:-

	Feathercrete
Strength class	1-5MPa
Viscosity	Low
Slump	120 – 200mm
Segregation resistance	High
Density	750 kg/m ³ & above



ACC Feathercrete® – Lightweight Concrete

Benefits:-

- Easily pumpable
- Reduces load on foundation
- Permits alternations & additions on the structural members with minimum possible dead loads.
- Provides a higher Fire-rated concrete structure
- Alternations & addition on the structure members with minimum possible dead loads.

Application:-

- Screed over roof slab as it has low thermal conductivity coefficient
- Light weight partition wall, tilt-up walls, Bridge decks, piers and beams, slab and parking structures
- Slabs, topping slabs, composite slabs on metal decks, fillers slabs in toilet areas with lower dead weight on foundation.
- Floor screed of 50mm in each floor below marble/tiles. Flooring to reduce sound from top floor to lower floor



ACC Sustainocrete™ - Durable Constructions

High performance durable concrete designed for structures exposed to aggressive environmental conditions. Sustainocrete is designed with the help of special additives that increases it's resistivity to water, chloride and sulphate ingress

Standard Concrete Specification:-

	Sustainocrete
Strength class	M25 and Above
Permeability	> 10mm
RCPT (Coulombs)	850-1500



ACC Sustainocrete™ - Durable Constructions

Benefits:-

- Increases resistance to sulphates, reduces chloride- ion penetration
- improves resistance to aggressive environments
- Reduces the Heat of Hydration
- Provides Excellent Durability

Application:-

- Marine & Coastal Structures
- Water & Sewage Treatment works
- Embankments & Backfills
- Hydraulic Fills -Subgrade Stabilization -Pavement Base
- Landfill Cover & Grouting -Soil Amendments



ACC Permecrete® – Pervious Concrete

Permecrete is high performance no fines concrete that have voids within its body to permit water drainage to lower surface, thus improving ground water table.

Standard Concrete Specification:-

	Permecrete
Strength class	10 – 25 MPa
Filtration rate	81-730 L/min/m ²



ACC Permecrete® – Pervious Concrete

Benefits:-

- Allows drainage of water
- Contributes to the environment and health
- Controls storm water runoff

Application:-

- Open air car parks
- Rainwater harvesting
- Sports ground rehabilitation

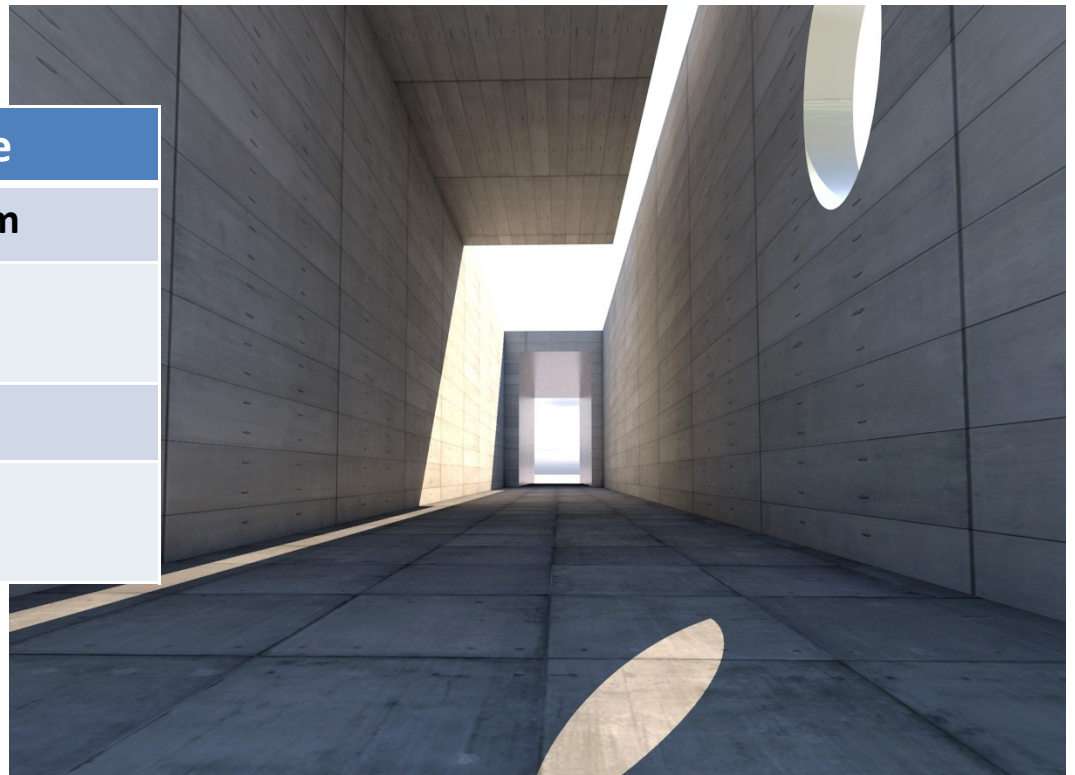


ACC ShieldCRETE High Density Concrete

ACC Shieldcrete or Heavy weight concrete is a concrete with a density greater than 2600 kg/m³ where the normal concrete density will be less than 2500 kg/m³

Standard Concrete Specification:-

	High Shieldcrete
Density	2600-3000 kg/Cum
Radioactive resistance	High
Fluidity	High
Segregation resistance	High



ACC ShieldCRETE High Density Concrete

Benefits:-

ACC Shieldcrete has specially selected heavy weight aggregates which traps the radiation from radioactive materials & protects the surrounding environment.

Application:-

Mainly used in the construction of radiation shields (medical or nuclear). Offshore, heavyweight concrete is used for ballasting for pipelines and similar structures

The ACC Shieldcrete is used in construction of radiation shields either in nuclear power plants or in radiation therapy units.

Shieldcrete is an effective and economic construction material for permanent shielding purpose.



ACC COLOURCRETE– Coloured Concrete

Colourcrete is the concrete designed to deliver aesthetic value from the concrete's colour spectrum that are characterized by the selection of the raw materials and/or modified by the addition of pigments, usually to fulfill architectural design intentions.

In the colouring process using pigments, the billions of ultra-fine particles of the coloured pigments powder are dispersed homogeneously.

Standard Concrete Specification:-

	Colourcrete
Strength class	Designed as per the requirement of the customers
Workability	



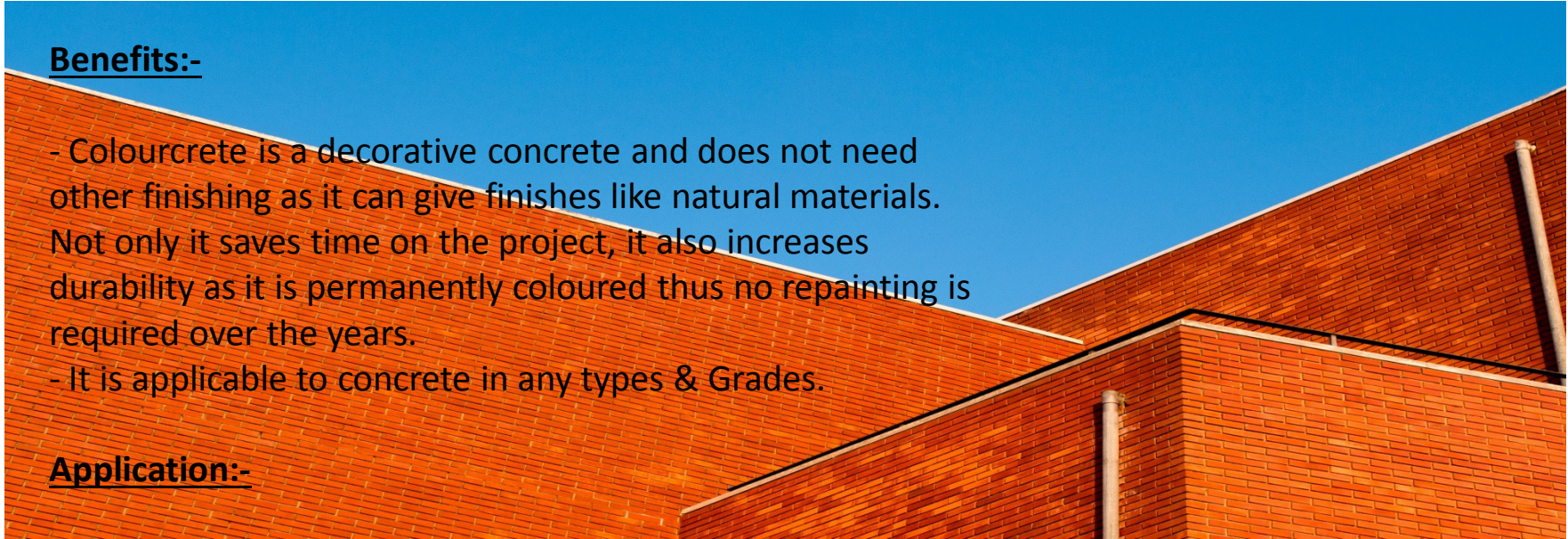
ACC COLOURCRETE– Coloured Concrete

Benefits:-

- Colourcrete is a decorative concrete and does not need other finishing as it can give finishes like natural materials. Not only it saves time on the project, it also increases durability as it is permanently coloured thus no repainting is required over the years.
- It is applicable to concrete in any types & Grades.

Application:-

- Architectural creation of different colourful forms for both pre-cast & cast-in-situ concrete.
- Lasting road guidance & directional markings
- Beautiful façade for buildings & colourful floorings.
- Enhanced architectural features, highlight demarcation zones, building facades, precast elements, paving blocks etc.,
- Pavements (driveways, pedestrian or bicycle paths, internal floors, etc.) infrastructure & private housing
- Exposed concrete surface in infrastructure works



ACC BUCKETCRETE– Bucket Concrete

Bucket concrete is the normal concrete delivered in 15/10 litres bucket at the site or picked up at any of our plants. It can be transported on any vehicle.

Standard Concrete Specification:-

	Bucketcrete
Strength class	5 – 60 MPa
Workability	Can be designed as per the requirement



ACC BUCKETCRETE– Bucket Concrete

Benefits:-

- Can be supply in Slum area/difficult areas where it is difficult to transport by TM
- In Galli area where TM can not be enter we can supply in buckets
- No segregation/Bleeding with concrete & Retention for 4 Hrs.
- Size of Bucket is 15 Lit Min.& above
- Comes in a volume as low as 15 litres.
- Reduces wastage since quantity comes in increments of 15 lit.
- However the area is, Service is rendered.
- Transportation can be done in any vehicle.
- Initial collapse slump & assured 120 ± 25 mm slump after 4 Hrs.

Application:-

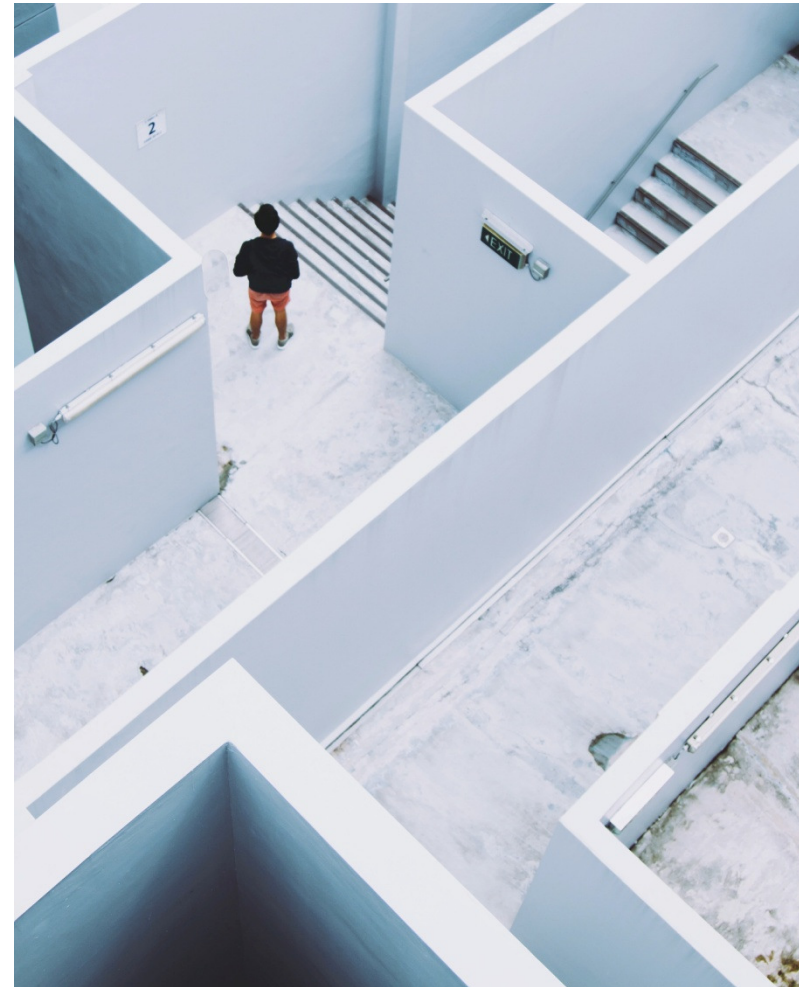
- For Column Starters/Small Filling of concrete
- For Small building construction in Slum area
- We can be use in normal low house repairing & any other use.

ACC NEEV - Foundation Mix

ACC Ki NEEV is designed from carefully chosen aggregates and special grades of cement. This makes it very cohesive and uniform mix. It is easily pumpable and can be poured with ease into difficult to reach spots. It helps in maintaining uniform levels and is very easy to compact

Standard Concrete Specification:-

	Neev
Strength class	20 – 80 MPa
Fluidity	Moderate
Segregation resistance	Moderate
Slump	120-200mm



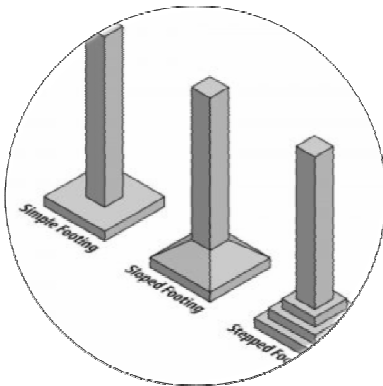
ACC NEEV - Foundation Mix

Benefits:-

- Ease of placement
- Crack resistant
- Corrosion resistant
- Impermeable

Application:-

- Pile foundations
- Footings
 - Spread Footing
 - Isolated Footings
 - Stepped Footings
 - Combined Footings
 - Strap Footing
 - Mat Foundation
 - Sloped Footing
 - Strip Footing

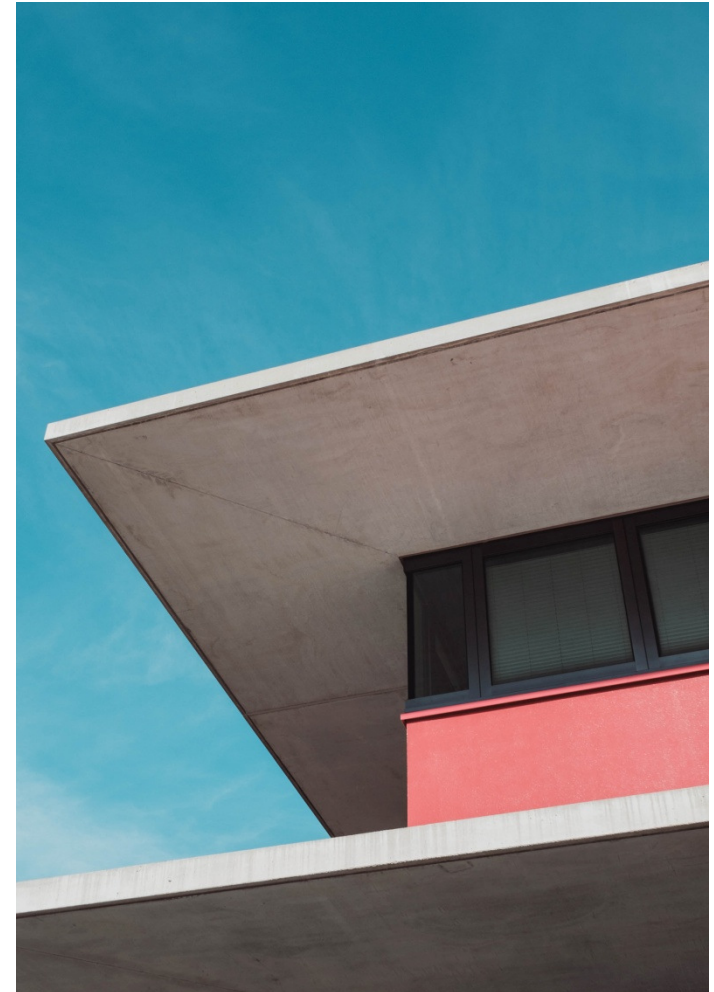


ACC SURAKSHA – Roof/Slab Mix

ACC ki SURAKSHA is designed with special additives and compounds that make it comparatively impervious to water and thereby decreases chance of water seepage during monsoons.

Standard Concrete Specification:-

	Neev
Strength class	20 – 80 MPa
Fluidity	Moderate
Segregation resistance	Moderate
Slump	120-200mm



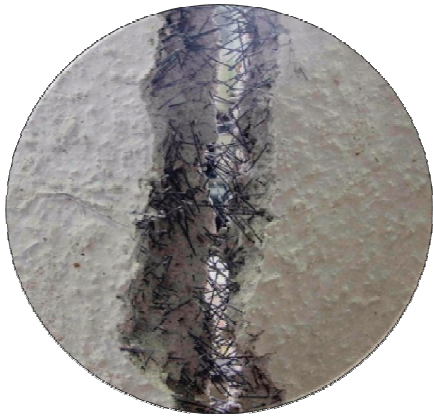
ACC SURAKSHA – Roof/Slab Mix

Benefits:-

- Minimizes Leakage
- Anticorrosive
- Fibre reinforced for crack resistant
- Reduces need for frequent repairs

Application:-

- Slabs
- Roofs

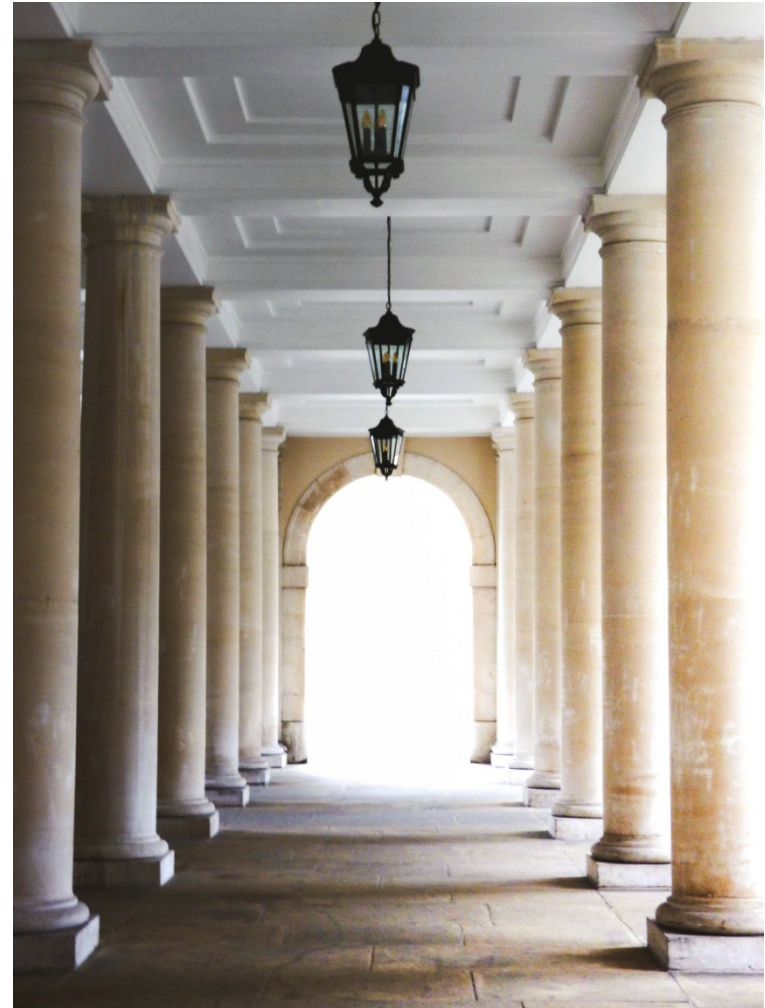


ACC ADHAR– Column Mix

ACC Adhar is designed from high performance additives which minimizes trapped bubbles or voids inside the concrete and therefore ensure that Column achieves the required strength within the shortest possible time

Standard Concrete Specification:-

	Neev
Strength class	20 – 80 MPa
Fluidity	High
Segregation resistance	High
Slump	200-400 mm



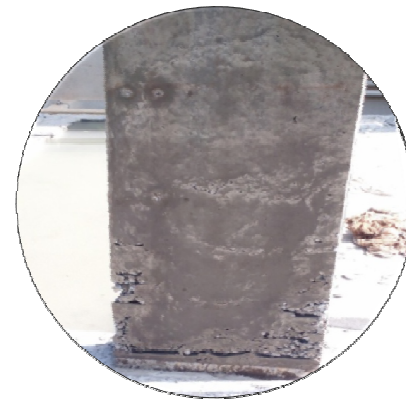
ACC ADHAR– Column Mix

Benefits:-

- Stronger Columns
- Extended life
- Cast thinner columns
- Reduces need for frequent repairs

Application:-

- Columns
- Piers



ACC Column 4 & 6[®] (Column mix from ACC Concrete)

ACC Column 4/6 is a concrete mix that is specially designed for Columns and has retention of 4 hours and 6 hours respectively, till which the concrete will not have any problem with segregation or bleeding.

Main advantage of these mixes is that transit mixers can unload the material at site and leave. The concrete can be used till 4 hours/6 hours without any problem.

Standard Concrete Specification:-

	Column 4/6
Strength class	20 – 80 MPa
Fluidity	High
Segregation resistance	High
Slump Retention	4-6 hrs



ACC Column 4 & 6[®] (Column mix from ACC Concrete)

Benefits:-

- Stronger Columns
- Extended life
- Reduced Transit Mixer waiting time
- Reduces chances of honey combing

Application:-

- Columns
- Piers
- Column starters





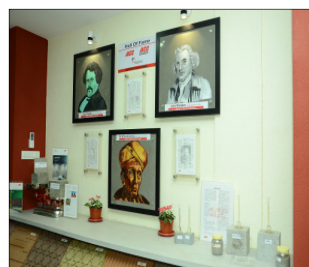
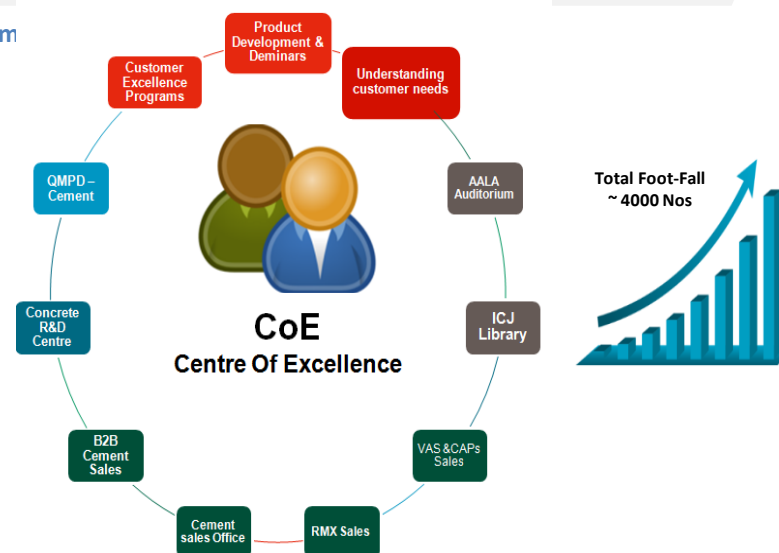
CoE - The Centre Of Excellence

One of a Kind in LH world – One Stop Solution for all needs of Custom
A step to create awareness about our customized offers !!!

Vision:

A centre of excellence is a facility that provides

- productivity enhancing solutions,
- Customized construction solutions,
- Innovative materials technology ,
- Best practices, research, support and training for a focus area to construction industries



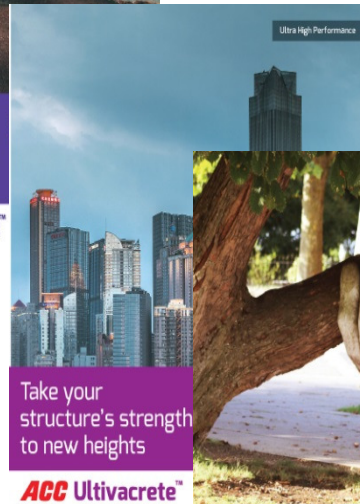
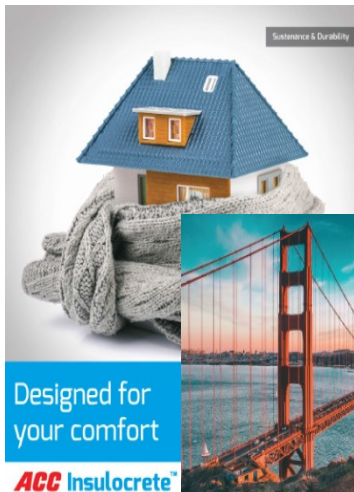
Product Display @ CoE



Customer Visit	Group – Nos	Group Weightage
Dealers / Retailers	48 Nos	15 people In Avg
Tech Session by Guest Speakers	43 Nos	50 People at a time
Tech Session for Key Customers	20 Nos	Avg count of 8 People per group
Professional's Visit from the Industry	-	500
No.Of Workshops Conducted	27	15 People at a time



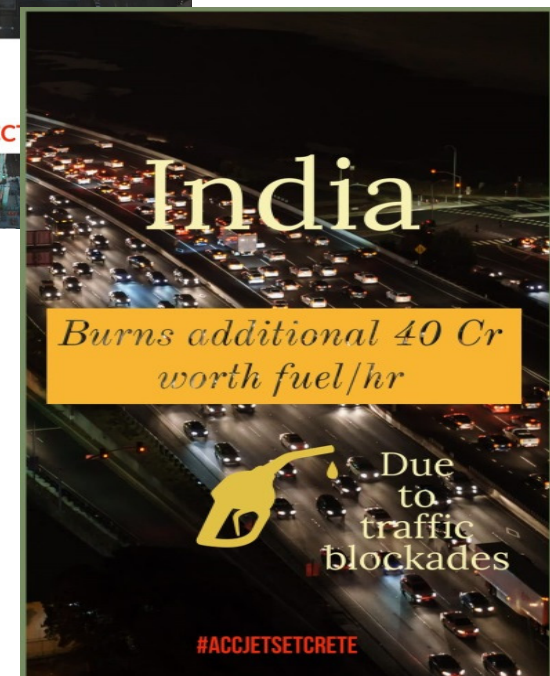
VAS – Value Added Solutions # New Initiatives



New VAS brochures with QR code for VAS videos



Do you know !!! Campaign on LinkedIn





A step towards enhancing customer engagement & Knowledge sharing



Experiencing the world of VAS
through Virtual reality

Thank You