

DOUBLE HYDRATION BENEFIT IN COMPOSITE CEMENT

OTHER CEMENT

+ WATER
↓
C-S-H + Ca(OH)₂

C-S-H: Calcium Silicate Hydrate Gel

Ca(OH)₂ commonly called lime leaches out of concrete and leads to lower durability

Maha HD⁺ Cement

+ WATER
↓
C-S-H + Ca(OH)₂
+ Reactive Silica
↓
C-S-H

In MAHA HD⁺ CEMENT, the lime is being converted into strength making it stronger and durable.

COMPARISON OF OTHER CEMENT TO MAHA HD⁺ CEMENT

Parameter	Other Cement	Maha HD ⁺ Cement
Higher Fineness	✗	✓
Ultimate Strength	✗	✓
Good Workability	✗	✓
Lower Lime Leaching	✗	✓
Impermeability	✗	✓
Resistance to Corrosion	✗	✓
Resistance to Sulphates	✗	✓
Lower Thermal Cracking	✗	✓
Greater Durability	✗	✓

A REPUTATION BUILT ON QUALITY

MHIPL, an ISO 9001: 2015 certified company and part of My Home Group, is a joint venture with CRH Plc, Ireland, which is one of the world's leading building materials companies with a business that spans 31 countries. My Home Group is a diversified company with interests in Real Estate, Cement, Power, Consultancy and Education. Today, MHIPL stands at a capacity of 10 million tonnes per annum, spread across 12 States.

SERVICES OFFERED



GUIDANCE ON GOOD CONSTRUCTION



SITE SUPERVISION BY EXPERT IN CONCRETE



COMPRESSIVE STRENGTH TESTING AND TECHNICAL TRAINING

For mobile concrete laboratory service, call - 1800 900 2552.



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CEMENT WORKS-I
Srinagar, Mellacheruvu, Nalgonda - 508 246, Telangana.

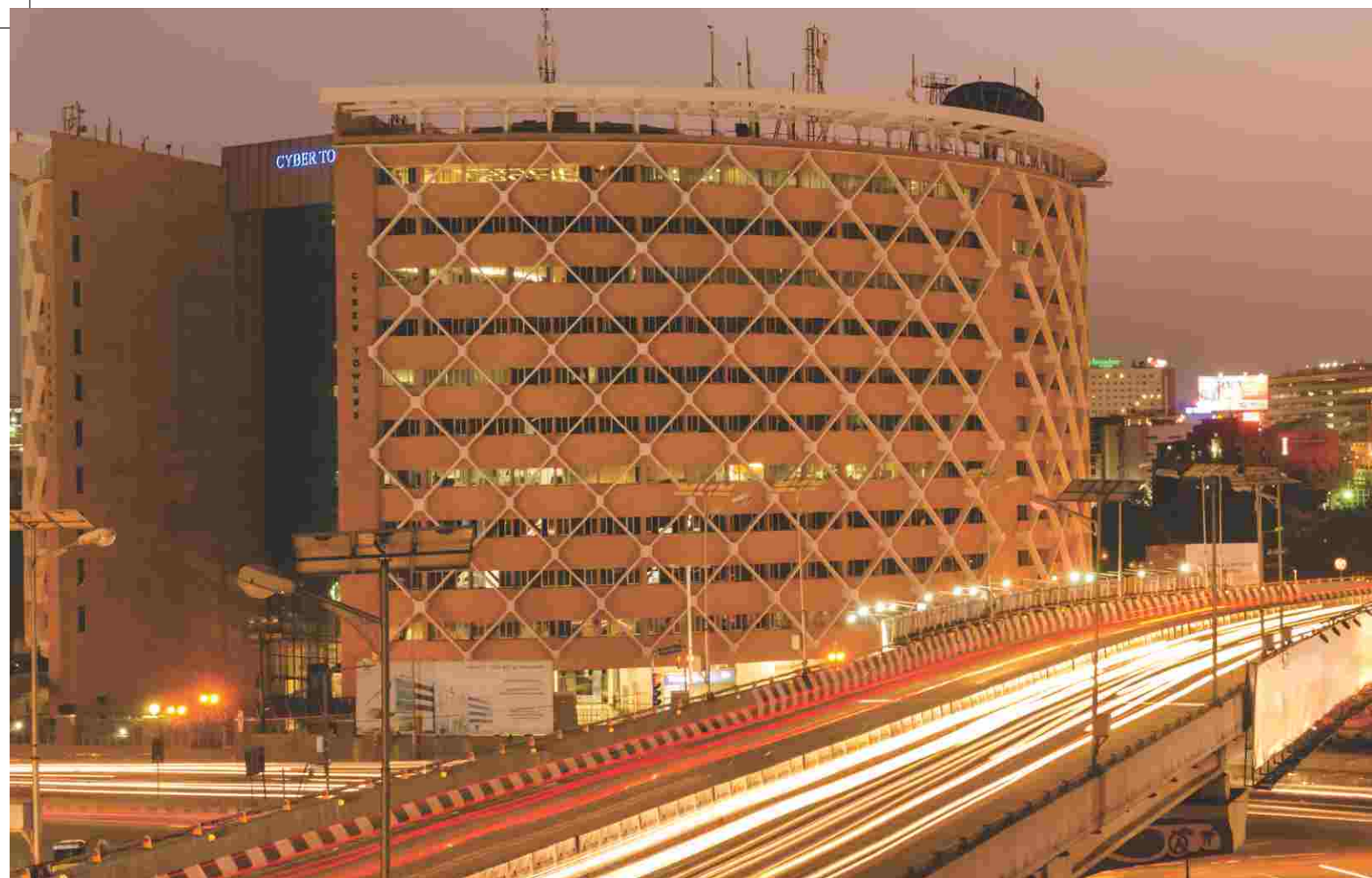
CEMENT WORKS-II
Mulakalapalli (V), K. Purushottapuram (P), Yelamanchili (M), Vishakhapatnam - 531 055, Andhra Pradesh.

CEMENT WORKS-III
Srinagar, Kurnool Road, Yanakandla (V), Banaganapalle (M), Kurnool - 518 124, Andhra Pradesh.

CEMENT WORKS-IV
No 1/174, SF No. 412,413, Melamaruthur Village, Ottapidaram Taluk, Tuticorin Dist, Tamil Nadu.

MAHA HD⁺ CEMENT

HIGH DURABILITY
HIGH DESIGNABILITY



STRONGER THAN EVER

Delivering High-Quality Cement Since 1998

My Home Industries Private Limited (MHIPL) has built a formidable track record by continuously innovating and delivering value. Today, its flagship brand Maha Cement is synonymous with quality and customer service. With an obsessive attention to detail, hourly quality checks and a conscious effort of maintaining the reliability of our brand, Maha HD⁺ Cement comes packed with inherent advantages.

MAHA HD⁺ CEMENT

The Two Times Stronger Cement

My Home Industries Private Limited (MHIPL) produced Maha HD⁺ Cement has several advantages over others. It is manufactured using superior quality of Clinker with very low levels of detrimental components like Magnesia, Sulphur, Alkalies and Chloride. It also has highly reactive phases of calcium silicates, which improves strengths over time and gives unbeatable durability to the structure.

WHY MAHA HD⁺ CEMENT?

The latest offering Maha HD⁺ Cement-Composite cement is a new variety of cement introduced in the market, mainly to benefit the customers by offering various application advantages over other cements. Since it is manufactured by mixing special mineral admixtures, it has superior technical properties compared to other regular cement.

- Concrete workability improves with good slump retention time
- Improved concrete cohesiveness
- Heat of Hydration is low which prevents excessive heat generation and surface cracks
- High early as well as later strengths
- High sulphate resistant properties and ideal for harsh environment constructions
- Corrosion resistant properties providing excellent protection to embedded steel against corrosion
- No alkali-aggregate reaction due to its low levels of alkali content

WHERE MAHA HD⁺ CEMENT CAN BE USED?

- All type of residential, commercial and industrial structures such as beam, column, footing, brickwork, plastering etc.
- Mass concrete jobs like dams and other heavy structures
- Precast concrete pipes and blocks
- It is very useful where concrete is exposed to harsh environments such as waste water treatment and marine applications



SPECIFICATIONS FOR MAHA HD⁺ CEMENT

Physical Parameters	Requirement as per IS 16415:2015	Maha HD ⁺ Cement Typical Results
Fineness m ² /Kg	300	380
Setting Time (Minutes)		
Initial	30 MIN	170
Final	600 MAX	260
Soundness		
By Le-Chatelier Method (mm)	10 MAX	1.0
By Autoclave (%)	0.8 MAX	0.2
Drying Shrinkage (%)	0.15 MAX	0.08
Comp. Strength (Mpa)		
3-Days	16 MIN	27
7-Days	22 MIN	40
28-Days	33 MIN	60

