





UNISOL INC - headquartered in Gurgaon, a sub-urb of New Delhi, was founded in 2006 with the objective of delivering application-driven chemical additives (such as, grinding aids and quality improvers) to cement manufacturers. Through in-depth application and technology knowhow, UNISOL now enjoys a position of leadership in the Indian Cement Grinding Aids market:

- Supplying to an installed capacity of >30 Million Tons of Cement Production
- Supplied to >50 Cement Plants in India so far and possessing the fastest growing customer base in Indian market
- Team of >30 Professionals bringing together a Range of Skills and Expertise

UNISOL deploys a research, innovation and solution driven approach:

- Developed >20 bespoke formulations at dedicated Research Centre near New Delhi
- Conducting >100 trials (lab and plant scale) every year - developing in-depth domain and tech know how
- Exclusive Technology and Product Partnership with STAREX PTY LTD – South Africa



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Chemical Additives for a Range of Objectives



Higher Cement Strength

2-5 MPa increase in compressive strengths at various ages is possible using the right chemical additives



Increased Mill Throughput & Lower Specific Power

Upto 15% increase in mill output, with a corresponding reduction in specific power consumption can be delivered



Reduced Clinker Factor

Clinker factor reduction with corresponding increase in usage of cheaper ingredients like fly ash, pond ash, slag, etc



Special Cements

We can help in manufacture of water repellent cements & Other special application cements



Cheaper Gypsums

Our additives, combined with treatment of gypsum, allow 100% replacement of mineral gypsum with phospho gypsum



Raw mill grinding aids

Increased mill throughput and reduction in sp. Power consumption & Possible reduction in free lime



Our Research Facility

Dedicated to Cement Additives



Skilled &
Experienced Team



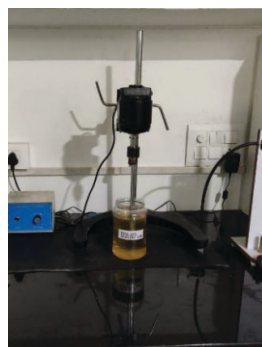
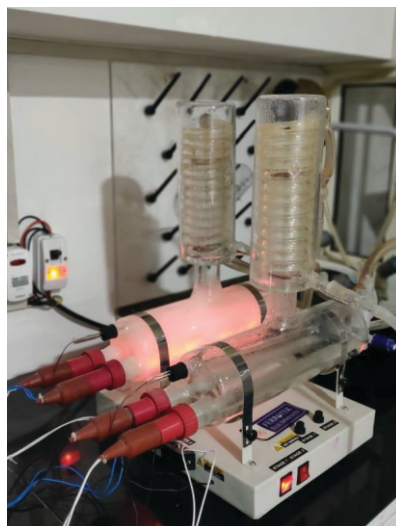
Innovative & Highly
Refined Formulations



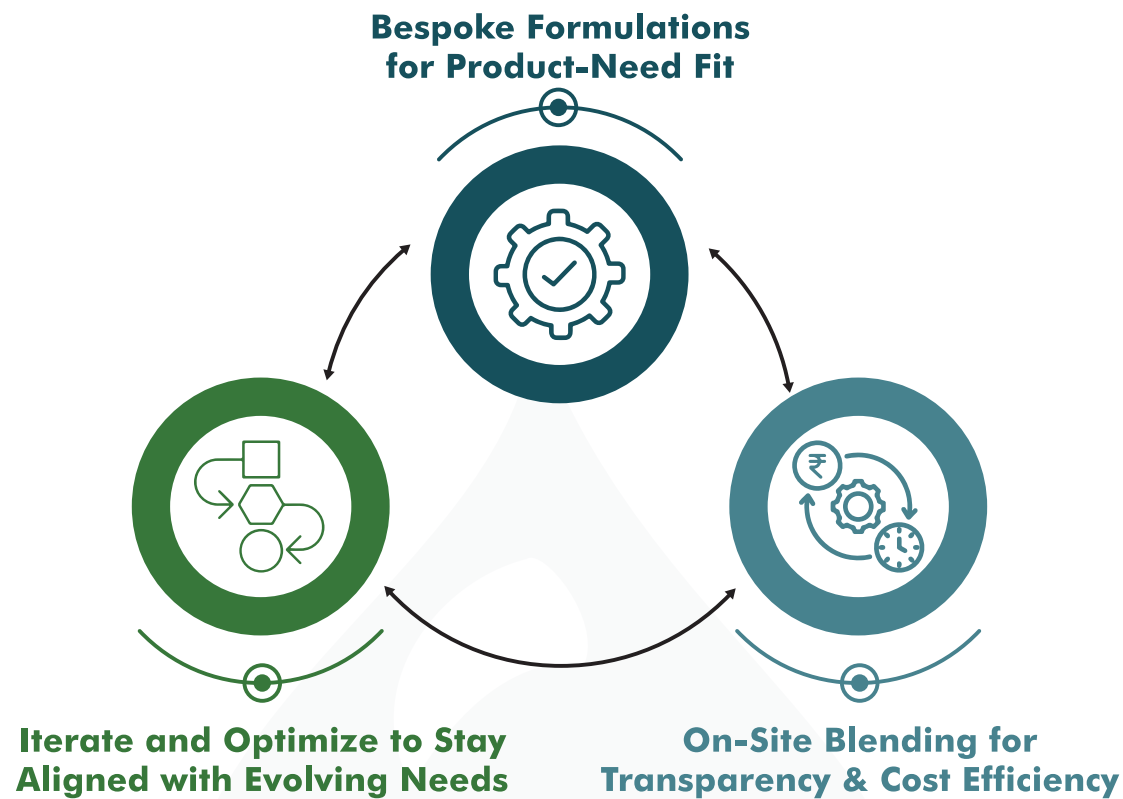
Specialization leading to a
Productive & Cost-efficient Team



Dedicated Chemical Additives
Research for Cement Industry



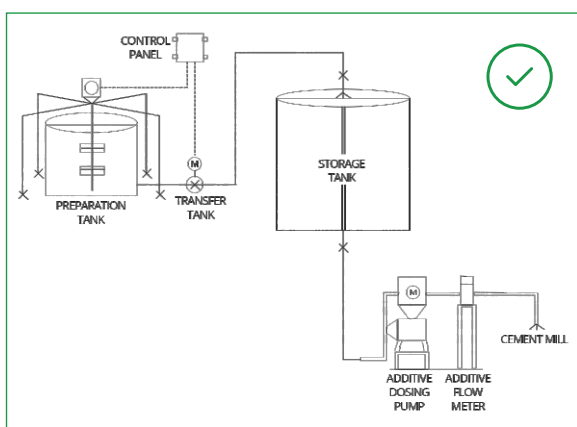
Delivering Grinding Aids & Application Driven Chemical Additives to the cement producers using our Trident Framework



Pioneering the Concept of On-Site Blending



- Grinding Aids typically contain >50% Water
- High cost of packaging in **IBCs and Drums** – Rs 5000-7000 per ton of grinding aids
- Higher cost associated with freight and handling of pre-packaged bulky liquids
- Poor flexibility of modifying concentrations
- Less Eco Friendly – More Carbon Footprint







- **On-Site Blending System** is the more efficient way of delivering grinding aids
- Lower cost of freight and handling
- Lower cost of packaging
- Addition of low value and readily available water on-site
- Lower storage space
- More flexibility on optimizing formulations and concentrations

Last year our products did the job of
20,000,000
trees.



Our chemical additives help cement manufacturers reduce 50,000 tons of carbon dioxide emissions every month, while adding millions of dollars to their bottom line.

The cement industry is the third largest source of industrial pollution, and we are doing our bit to reduce it. Alongside decarbonization, our products help cement producers

-  make better quality cements
-  extend life of their limestone reserves
-  reduce clinker content in cements
-  reduce specific power consumption



At our state-of-the-art UNISOL-STAREX Research Centre near New Delhi, we develop high-impact, cutting-edge, and customized grinding-aid and quality improver formulations for cement manufacturers.

Contact us at sales@unisolinc.in or visit www.unisolinc.in for more details.

