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# CORE BUILDING SOLUTIONS

## CBS Chemicals-Who we are

CBS Chemicals manufactures a comprehensive range of premium quality construction chemicals. With our extensive research and development done we offer customized solutions to the building community such as Industrial, Residential, Commercial, Marine, Infrastructure segments for greener, durable, cost-effective, speedy and efficient construction solutions.

Quality, innovation and reliability are our key strengths. The group is led by a team of competent professionals with over two decades of experience in the construction chemical industry. We have earned recognition for undertaking large projects, providing unique solutions, embracing emerging technologies, fostering innovation thereby helping us to remain as a trusted partner for our customers.

Having obtained BIS marking certification and ISO 9001:2015, you are totally assured that our products meet the standards/predefined stringent checks for raw materials, production process, finished goods etc.

## Resources and Capabilities

- An adept team to execute tasks diligently within a quick response time frame.
- Fully equipped R&D concrete labs for product development and routine QC checks.
- Proactive and stringent quality control measures to ensure consistency in product offerings.
- Well-equipped manufacturing facility with a production capacity of 1200 MT/ month and uninterrupted power back up.

## The CBS Philosophy

### Vision: A standard of perfection

- Strong focus on R&D to offer cutting edge solutions for the evolving needs of construction industry.
- To provide safe, eco-friendly and cost-effective solutions.
- Building a customer's trust by maintaining a certain consistency in all products.
- Becoming a leading manufacturer in South-India by 2022.

### Mission: A path of progress

- Promoting environment- friendly, competitive and cost-effective solutions.
- Offering efficient pre and post-sales support to customers.
- Raising standards to cater to the demands of the ever changing industry.
- Creating professional atmosphere for employees, customers and business partners.



## Product Offerings for

- Self-Compacting Concrete
- Semi-Flowing Concrete
- High Grade Concrete
- High Performance Concrete
- Precast Concrete
- Pavement Quality Concrete
- Light Weight Concrete
- Integral Waterproofing
- Polymer Concrete
- Shotcrete
- Concrete Surface Treatment
- Slip-Form Concrete

## Our Product Range

- SNF Based Admixtures : CPLAST Series
- PCE Based Admixtures : CFLOW™ Series
- PCE High Performance : SIERRA Series
- Curing Compounds : CKURE™ Series
- Mould Release Agents : STRIPFORM Series
- Bonding Agents : CBOND Series
- Air Entrainers : CAIR Series
- Integral Waterproofing : CPROOF Series
- Retarders : CSTOP Series
- Pumping Aids : CSLICK Series
- Accelerating admixtures : CSET Series
- Corrosion Inhibitors : CGUARD Series
- Viscosity Modifiers : CMATRIX Series
- Water Repellants : CREPEL Series

## The Difference We Make

Besides offering construction products we are counted among very few organisations in the industry who possess expertise in offering end to end building restoration services with a systematic and scientific approach thereby enhancing the service life of structures. The comprehensive portfolio under the brand of CBS Chemicals encompasses apt, durable, cost effective and lasting solutions for the construction Industry. It's what sets us apart. It makes us who we are - **facilitators of stability.**

## Repairs and Rehabilitation

- Bridge repair and rehabilitation
- Micro concrete jacketing / Steel plate fixing
- Fibre wrapping / Laminate fixing
- Grout injections such as epoxy, polyurethane and cement grout injections
- Crack treatment / Construction joints treatment
- Waterproofing
- Epoxy Flooring

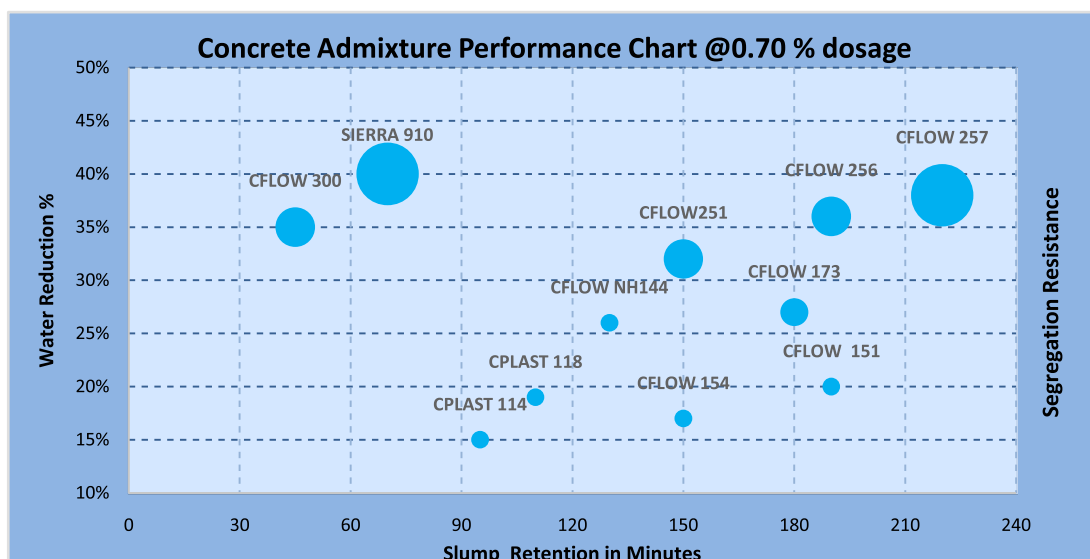
# Product Summary Guide

## Poly Carboxylate Ether based Concrete Admixtures

Product	Description & Features	Typical Applications	Dosage	Packaging
CFLOW™ 154/ CFLOW™ 155/ CFLOW™ 173/ CFLOW™ 176	<ul style="list-style-type: none"> <li>Mid-range PCE based retarding superplasticizer with water reduction up to 23 %</li> <li>Improved slump retention, mix cohesion &amp; pumpability</li> <li>Confirms to IS 9103-1999 &amp; ASTM C494 (type 'G')</li> </ul>	<ul style="list-style-type: none"> <li>Ready-mix applications up to M50 grade</li> <li>Semi flowing concrete, concrete for mivan formwork, piles, diaphragm walls, In-situ post tensioned concrete with high early strength</li> <li>Mixes with OPC, blended cements, binders such as fly ash, GGBS &amp; 100 % M Sand combinations</li> </ul>	0.30 to 1.0 % by W/C	225 Kgs drums 1125 Kgs IBC 20000 Kgs Bulk
CFLOW™ 251/ CFLOW™ 255/ CFLOW™ 256/ CFLOW™ 144NH	<ul style="list-style-type: none"> <li>High range PCE based retarding superplasticizer offering excellent dispersion &amp; high water reduction up to 28 %</li> <li>Improved slump retention due to steric hindrance, improves mix cohesion &amp; pumpability</li> <li>Confirms to IS 9103-1999 &amp; ASTM C494 (type 'G')</li> </ul>	<ul style="list-style-type: none"> <li>Self-compacting concrete, concrete for mivan formwork, piles, diaphragm walls, etc up to M70 grade</li> <li>High flow concrete, high strength concrete &amp; high performance concrete</li> <li>Mixes with OPC, blended cements, binders such as fly ash, GGBS &amp; 100 % M Sand combinations</li> </ul>	0.30 to 1.20 % by W/C	225 Kgs drums 1125 Kgs IBC 20000 Kgs Bulk
CFLOW™ 257	<ul style="list-style-type: none"> <li>High range PCE based retarding superplasticizer with inbuilt VMA &amp; high water reduction up to 30 %</li> <li>Stickiness reduction, high flowability, filling ability, passing ability, segregation &amp; bleeding resistance</li> <li>Confirms to IS 9103-1999 &amp; EFNARC specifications</li> </ul>	<ul style="list-style-type: none"> <li>Self compacting applications upto M80 grade</li> <li>Concrete for congested reinforcements,</li> <li>Suitable for gap graded mixes</li> <li>Mixes with OPC, blended cements, binders such as fly ash, GGBS &amp; 100 % M Sand combinations</li> </ul>	0.40 to 1.20 % by W/C	225 Kgs drums 1125 Kgs IBC 20000 Kgs Bulk
CFLOW™ 300	<ul style="list-style-type: none"> <li>High range PCE based superplasticizer with high water reduction up to 30 %</li> <li>Accelerates hydration of cement &amp; promotes early strength gain</li> <li>Promotes complete hydration thereby offering high compressive &amp; flexural strength</li> <li>Confirms to IS 9103-1999 &amp; ASTM C494 (type 'F')</li> </ul>	<ul style="list-style-type: none"> <li>Precast applications, high early strength concrete &amp; high strength concrete up to M80 grade</li> <li>Eliminates need of steam curing</li> <li>Mixes with OPC, blended cements, binders such as fly ash, GGBS &amp; 100 % M Sand combinations</li> </ul>	0.40 to 1.20 % by W/C	225 Kgs drums 1125 Kgs IBC 20000 Kgs Bulk
SIERRA 910	<ul style="list-style-type: none"> <li>New generation acrylic modified High range PCE based superplasticizer with water reduction up to 40%</li> <li>Stickiness reduction, high flowability &amp; filling ability.</li> <li>Accelerates hydration of cement &amp; promotes early strength gain</li> <li>Promotes complete hydration thereby offering high compressive &amp; flexural strength</li> <li>Confirms to IS 9103-1999 &amp; EFNARC specifications</li> </ul>	<ul style="list-style-type: none"> <li>Ultra-high strength concrete, precast applications, high early strength concrete, high strength concrete, self-compacting concrete, up to M80 grade.</li> <li>For reduced bleed/ segregation</li> <li>Eliminates need of steam curing</li> <li>Mixes with OPC, blended cements, binders such as fly ash, GGBS &amp; 100 % M Sand combinations</li> </ul>	0.40 to 1.20 % by W/C	225 Kgs drums 1125 Kgs IBC 20000 Kgs Bulk

## Sulphonated Naphthalene Formaldehyde based Concrete Admixtures

Product	Description & Features	Typical Applications	Dosage	Packaging
CPLAST 114/ CPLAST 144/	<ul style="list-style-type: none"> <li>Retarding superplasticizer with water reduction up to 18%</li> <li>Improved slump retention, mix cohesion &amp; pumpability</li> <li>Confirms to IS 9103-1999 &amp; ASTM C494 (type 'G')</li> </ul>	<ul style="list-style-type: none"> <li>Ready-mix applications up to M40 grade</li> <li>PQC, gap graded mixes &amp; high performance concrete</li> <li>Mixes with OPC, blended cements, binders such as fly ash</li> </ul>	0.40 to 1.40 % by W/C	250 Kgs drums 1200 Kgs IBC 20000 Kgs Bulk
CPLAST 118/ CPLAST 121/	<ul style="list-style-type: none"> <li>Retarding superplasticizer with water reduction upto 20%</li> <li>Improved slump retention, mix cohesion &amp; pumpability</li> <li>Confirms to IS 9103-1999 &amp; ASTM C494 (type 'G')</li> </ul>	<ul style="list-style-type: none"> <li>Ready-mix applications up to M45 grade</li> <li>In-situ post tensioned concrete with high early strength</li> <li>Mixes with OPC, blended cements, binders such as fly ash, GGBS &amp; 100 % M Sand combinations</li> </ul>	0.30 to 1.20 % by W/C	250 Kgs drums 1200 Kgs IBC 20000 Kgs Bulk





# Product Summary Guide

## Other Construction Aids

Product	Description & Features	Typical Applications	Dosage	Packaging
CKURE™ 102	<ul style="list-style-type: none"> <li>Wax-based emulsion curing compound applied to prevent premature &amp; later water loss on fresh concrete surfaces.</li> <li>Effective hydration of concrete with a curing efficiency of 85%</li> <li>Confirms to ASTM C309.</li> </ul>	<ul style="list-style-type: none"> <li>Eliminates use of water, hessian/polythene film</li> <li>Used for canal linings, irrigation structures &amp; columns</li> </ul>	5Sqm/kg	20 kgs cans 200 kgs drums
CKURE™ 102 PU	<ul style="list-style-type: none"> <li>Poly urethane based curing compound for concrete</li> <li>Forms membrane and acts as moisture barrier to ensure full hydration</li> <li>Confirms to ASTM C-309</li> </ul>	<ul style="list-style-type: none"> <li>For any high surface to volume ratio structures such as concrete pavements, runway aprons &amp; taxiways etc.</li> <li>Efficiency index above 90 % @ 72 hrs</li> </ul>	5Sqm/kg	20 kgs cans 200 kgs drums
CSTOP 103	<ul style="list-style-type: none"> <li>Controlled set retarding admixture for concrete &amp; mortar.</li> <li>Confirms to IS 9103-1999 &amp; type 'B' as per ASTM C494</li> </ul>	<ul style="list-style-type: none"> <li>Eliminates use of water, hessian/polythene film</li> <li>For ready-mix applications with extended work ability applications.</li> <li>Controlled extension of set time.</li> </ul>	0.3 to 1.1% by W/C	20 kgs cans 200 kgs drums
CAIR 104	<ul style="list-style-type: none"> <li>Air entrainer for concrete &amp; mortar</li> <li>Compensates for concrete yield without adverse effects when used in controlled dosages</li> <li>Confirms to IS 9103-1999</li> <li>For ready-mix applications with extended workability</li> </ul>	<ul style="list-style-type: none"> <li>For PQC pavements &amp; slip form concrete</li> <li>For light weight concrete, no fines concrete &amp; with air entrainment upto 6%.</li> <li>For plasters, masonry mortars &amp; renders. Used in harsh mixes and gap graded mixes</li> </ul>	0.05 to 0.6% by W/C	20 kgs cans 200 kgs drums
STRIPFORM 118	<ul style="list-style-type: none"> <li>Mould release agent which is easy to apply, ready to use emulsion made from vegetable oil derivatives</li> <li>Chemically active ingredients react with hydrated products of cement &amp; offers a smooth and glossy surface</li> <li>Acts as rust inhibitor by forming a water repellent film on mould surface</li> </ul>	<ul style="list-style-type: none"> <li>Suitable for all type of moulds such as plywood, aluminium, timber steel, fibre &amp; plastic form work.</li> <li>Non-staining &amp; reduced occurrence of blow holes</li> <li>For use in precast and cast in situ structures</li> </ul>	4 sqm/kg	20 kgs cans 200 kgs drums
DSHUTTER SW	<ul style="list-style-type: none"> <li>Mould release agent which is easy to apply, ready to use mineral oil based emulsion</li> <li>Provides a crisp positive release</li> </ul>	<ul style="list-style-type: none"> <li>Suitable for all type of moulds such as plywood, timber &amp; steelform work.</li> <li>Provides smooth &amp; uniform finish</li> <li>Non-staining &amp; reduced occurrence of blow holes</li> </ul>	4 sqm/kg	20 kgs cans 200 kgs drums
CBOND 111	<ul style="list-style-type: none"> <li>Single component SBR polymer based bonding agent for polymer modified concrete and for plasters</li> <li>Enhances bond strength, flexural and tensile strength</li> <li>Reduces permeability</li> </ul>	<ul style="list-style-type: none"> <li>For bonding old &amp; new concrete. For repairs of crack &amp; spalls in concrete.</li> <li>For waterproofing coatings</li> </ul>	1 to 4 kgs/bag of cement	20 kgs cans 200 kgs drums
CBOND 222	<ul style="list-style-type: none"> <li>Single component Acrylic based bonding agent for polymer modified concrete, weather proof coatings &amp; waterproofing.</li> <li>Enhances bond strength, flexural &amp; tensile strength</li> <li>Reduces permeability</li> </ul>	<ul style="list-style-type: none"> <li>For bonding old &amp; new concrete. For repairs of crack &amp; spalls in concrete.</li> <li>For screed concrete and high abrasion resistance concrete floors</li> <li>For waterproofing coatings</li> </ul>	1 to 4 kgs/bag of cement	20 kgs cans 200 kgs drums
CPROOF 111	<ul style="list-style-type: none"> <li>Lignosulphonate based integral water proofing liquid admixture for reduced water permeability</li> <li>Improves workability, cohesion and pumpability</li> </ul>	<ul style="list-style-type: none"> <li>For water retaining structures</li> <li>For basement retaining walls, rafts &amp; footings</li> <li>Toilets, terrace and balconies</li> </ul>	0.20 to 0.50 % by W/C	20 kgs cans 200kgs drums



**Curing Compound**



**Slipform Construction**



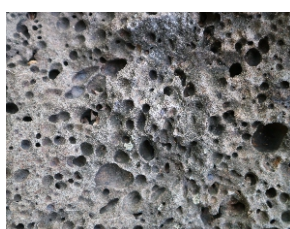
**Hollow Core Slab**



**Pavement Quality Concrete**



**Mould Release Agent**



**Air Entrainment**



**Accelerator**



**Light Weight Concrete**





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