

# CIS CHEM LPC -120

POLYCARBOXYLIC BASED ADMIXTURE FOR CONCRETE

PRODUCT CATEGORY: POLYCARBOXYLIC ETHER BASED ADMIXTURE

## PRODUCT DESCRIPTION

CIS LPC – 120 Is Polycarboxylic Ether Based Plasticizer CIS LPC – 120 Is Brown /Yellowish Coloured Polycarboxylic Ether Based New Generation Hyper Plasticizer Conforming To EN Specification ,Development For Specific Application In High Performance Concrete . The Hyper Dispersion Effect PRODUCT By CIS LPC – 120 Exhibits Better Durability And Performance In Concrete. CIS LPC – 120 Is Compatiable With All Portland Cements And Pozzolonic Materials Conforming To International Standards.



## USES

CIS LPC – 120 Facilitates Excellent Water Reduction, With Optimum Cohesion And Workability As Required, Just By Adjusting The Dosage. It Is Used Mainly To The Following Types Of Concrete:

- Precast Concrete Structures In General
- Precast Concrete Tunnel Segments
- Pre-Stressed Concrete Elements
- Post-Tensioned Concrete Bridge Segments
- Piles, Foundations, Retaining Walls Etc.
- Concrete With High Water Reduction That Requires High Workability, Slump Retention Along With High Early Strength Development
- Blocks And Interlocks

## CHARACTERISTICS / ADVANTAGES

CIS LPC – 120 Is Generally Dosed In The Range Of 0.3% To 1% By Weight Of Cement The Dosage Can Be Enhanced To Further 3% As Per Requirement.

But It Is Always Advisory To Go For Trial Mix To Determine The Optimum Dosage .

The Requisite Of CIS LPC – 120 should Be Added After Addition Of Minimum 50 To 70% Of Gauging Water Before Mixing With Wet Cement Aggregate System

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## PRODUCT INFORMATION

Composition	Modified Polycarboxylic Ether
Packaging	220 Kg
Appearance / Colour	Light Brown /Pale Yellow
Shelf life	12 Months From Date Of Production If Stored Properly
Storage conditions	Store In Undamaged, Unopened, Original Sealed Packaging In Dry Conditions At Temperatures Between +5 °C And +45 °C. Protect From Direct Sunlight And Frost
Density	1.08 ± 0.05 gm/l At 30 °C
Total chloride ion content	Nil (EN 934-2)
Concreting guidance	The Standard Rules Of Good Concreting Practice For Production And Placing Must Be Observed When Using CIS CHEM LPC 120 In Concrete. Refer To Relevant Standards. Fresh Concrete Must Be Cured Properly Especially At High Temperatures In Order To Prevent Plastic And Drying

## APPLICATION INFORMATION

Recommended dosage	0.4 - 2.0 % By Weight Of Binder Higher Dosages By Weight Of Binder Can Be Used Depending On The Mix Design, Raw Materials, Climatic Conditions And Concrete Requirements. Trial Mixes Must Be Performed To Establish The Exact Dosage Rate Required.
Compatibility	CIS LPC – 120 May Be Combined With All Types Of Portland Cement We Recommend To Perform Trial Mixes To Establish The Required Performance When Combined With The Above Products. Please consult our CIS Technical Department.

## HEALTH AND SAFETY

CIS LPC – 120 Should Not Be Swallowed Or Allowed To Come Into Contact With Skin And Eyes. Suitable Protective Gloves And Goggles Should Be Worn. Splashes On The Skin Should Be Removed With Water. In Case Of Contact With Eyes It Shall Be Rinsed Immediately With Plenty Of Water And Medical Advice Sought Immediately. If Swallowed, Medical Attention Shall Be Sought Immediately. Vomiting Should Not Be Used.