Product Data Sheet - CM123 & CM120

DESCRIPTION

- Polycarboxylate superplasticizer
- High range water reducing and retardation concrete admixture
- Comply with ASTM C494-Type G
- Comply with BS EN 934-Part 2

BRIEF INTRODUCTION

- CM123 & CM120 is liquid product composed of polycarboxylate and several surface active substances
- General using in ready mix concrete
- Moderate dosage range by weight is 0.6% ~ 1.7% of total weight cementitous
- Total cementitious weight = OPC + Pozzolanic material (as PFA, GGBS, Silicafume, etc.)
- Shelf life has 1 year

USE IN STRUCTURE

- General structure elements
- Super structure : Slab, beam, column and wall
- Sub structure: Foundation, bored pile and slurry wall

USE IN CONCRETE

- General concrete
- Mass concrete
- Durability concrete
- Sulfate resistance concrete
- Water permeability resistance concrete

MAIN FUNCTION / ADVANTAGES

- 1.Enhance concrete strength
 - Moderate water cement ratio $W/C = 0.4 \rightarrow 0.7 \text{ range}$
 - Suitable strength range C50,C40,.....C20,C15
- 2. Improving pumping and placing workability
 - Concrete product has less sticky performance
- Suitable slump range : S2(N) grade, S3 (P & T₁) Grade S4 (T₂ & T₃) Grade
- 3. Reducing concrete shrinkage cracks and cold joint
 - Prolong initial setting time (1.5 hours to 3 hours)
 - Moderate enlarge slump to reduce extra water in pumping work
- 4.ESG (Environmental, Social, and Governance) application to reduce carbon emissions
 - Use higher pozzolanic material concrete (as PFA, GGBS, etc.)

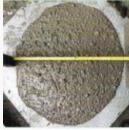




S4 - 185 +/- 25 mm

S5 - ≥ 220 mm





PRODUCT INFORMATION

THE DOCT HIS CHANGE THE		
Packaging	210kg drum1100kg IBC tank20 feet container (21 tonnes)	
Appearance	 Light brown liquid 	
Specific Gravity	■ 1.05 +/- 0.03g/cm3	
Solid Ingredient Content	• 17 +/- 3%	The second secon
PH Value	4 .5 +/- 1	
Storage condition	 Store under roof cover, protected from direct sunlight 	

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