

MATERIAL TECHNICAL DATA SHEET

CSE (Compressive Strength Enhancer)

Product Data Sheet
Edition 12/05/2017
Identification no. CP-01

INTRODUCTION

- CSE is strong Amino Alcoholic material which is organic material composed of (Triethanol Amine, Diethanol Amine and Mono ethylene Glycol) used as an additive for manufacturing of cement that is add within the last production step which is Clinker grinding Process to produce cement as a final product.

- CSE is slightly has good efficiency for increasing grinding productivity and improving significantly the grinding efficiency.

CHEMICAL-PHYSICAL DATA

- Composition: Triethanol Amine, Diethanol Amine and Mono ethylene Glycol.

- Density: 1.25 - 1.28 Kg/L

- PH: 8.00-9.00

- Boiling Point: 180 °C

- Shelf life: 12 months

CHARACTERISTICS

- CSE is an alkaline base material based on Amino Alcoholic compounds used for optimizing conditions required for cement hydration reactions leading to improve rate of reactions which get the chance of more C3S and C2S hydration.
- CSE is going to regulate Clinker phases' hydration reactions by getting priority for C3S and C2S hydration then C3A in order to improve compressive strength by 15-20% depending on materials quality.

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DOSAGE: 500 - 600 g/t

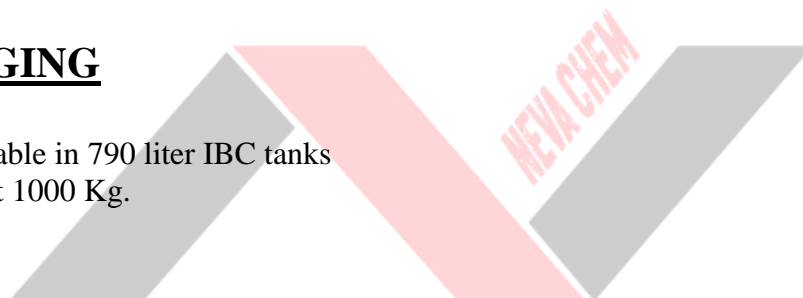
The additive dosage, in any case, has to be optimized through a reliable industrial trial, preferably with the help of our Technical Assistance Group. The correct dosing point of CSE must be determined for every specific grinding system. Generally speaking, the additive should be added directly on the material conveyor belt or sprayed directly into the first compartment.

STORAGE

The additive must be stored at temperature above 0°C. In normal conditions

PACKAGING

CSE is available in 790 liter IBC tanks of net weight 1000 Kg.



FOR TRADING AND DISTRIBUTION