

Well-Mix PCE 400

High Performance Poly-Carboxylated Ether Based Superplasticizer



Description

Well-Mix PCE 400 is a third generation poly-carboxylated ether based superplasticizer for concrete and mortar. It conforms to IS 9103 – 1999 and ASTM – C494 Type G.

Characteristics

Colour	Light Brownish	Specific Gravity @ 30 ^o C	1.10 ± 0.04
pH	6 – 8	Chloride Content	Nil
Dosages, by weight of Cementitious material, %	0.2- 0.8 *		

* for concrete of high workability, very low water / cement ratio and for self compacting concrete 0.2– 0.8% by weight of cement. Actual dosage to be finalized on the basis of site trial, variations in slump loss and setting characteristics are functions of the amount of admixtures used, cement characteristics and mix design selected. An increase in concrete temperature will cause an increase in slump loss and a decrease in initial set time

Application

Well-Mix PCE 400 is especially suitable for the production of concrete mixes which require high early strength development, powerful water reduction and excellent flow-ability.

- For ready mix concrete.
- Self Compacting Concrete(SCC)
- High Workability Concrete
- Precast concrete
- Fast track concrete
- In situ concrete requiring fast stripping time

Advantages

- Pronounced increase in the early strength development, resulting in very economical stripping times for precast and in situ concrete.
- Extremely high water reduction, resulting in high density, high strength and reduced permeability for water etc.
- Excellent plasticizing effect, resulting in improved flow-ability, placing and compacting behavior.
- Higher cohesion reduces risk of segregation and bleeding.
- Improved shrinkage and creep behavior.
- Free from chlorides or other ingredients promoting corrosion of steel reinforcement. It is therefore suitable for reinforced and prestressed steel.
- It is compatible with all types of Portland Cement including SRC (Sulphate Resistance Cement) and Cement Fillers / substitutes like PFA, GGBFS and Micro Silica.. Always conduct trials before combining products in specific mixes and contact our Technical Service Department for information about specific combinations.

Application Methodology

- Add Well-Mix PCE 400 to the dosing water or add it into the concrete mixer. It should not come into contact with dry cement.

- **Dosing:** Charge all concrete material in the proper order into the mixer with about 85% of the mixing water and mix for the three minutes. Add the rest quantity of water with admixture to obtain the required slump and mix for additional 2-3 minutes further.
- **Formwork:** Forms for walls or narrow sections must be watertight, strong and must have good bracing. During the “Flowing period” the concrete will exert a higher pressure at the base of the form than conventional concrete. Formwork for slabs is the same as for conventional concrete.

Health & Safety

- Use goggles and hand gloves during application
- Clean hands with warm soap water after application

Packing

- Available in 250 KGs drums.

Storage

- Store in a cool dry place under a shed away from heat.

Shelf Life

- 12 months in original sealed condition.

Well Knit’s Businesses

**Protective / Anti-Corrosive Coating Product
Admixtures / Grouts / Sealants & Additives Other
Chemical Product**



Well Knit Chemical

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