



WELL KNIT CHEMICAL

Plot No.64, Shri Krishna Industrial Estate Moja nougaon

Sonkh Road Mathura (UP) 281004

Email: Wellknit@wellknitchemical.com

Website: wellknitchemical.com

Well-Mix PCE 300

High Performance Poly-carboxylate Ether Based Superplasticizer

DESCRIPTION

Well-Mix PCE 300 is a third generation Poly-Carboxylate 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 ⁰ C	1.07 ± 0.04
Ph	6 – 8	Chloride Content	Nil
Dosages, by weight of cementitious material, %		0.4- 1.0 *	

*for concrete of high workability, very low water / cement ratio and for self compacting concrete 0.4– 1.0% by weight of cement. Actual dosage to be finalized on the basis of site trial. variations in slump loss and setting characteristics are a function 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 300 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.

Well Knit's Businesses:- Protective / Anti-Corrosive Coating Product/Admixtures / Grouts/Wall Paint /Hot Road Marking Paint /WaterProofing / Sealants & Additives And Other Chemical Products.

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- 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 300 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 an 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. Form work 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 240 KGs drums.

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

SHELF LIFE:- 12 months in original sealed condition.

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