

ECONEX® CooNa-L

High-Range Water-Reducing Admixture

Introduction

ECONEX® CooNa-L is a polycarboxylate ether based high performance copolymer designed for highest concrete quality. It enables concrete to be produced highly workable at low dosage with improved slump retention. It increases early strength without affecting concrete's total compressive strength.

Properties

- Appearance : Light yellow liquid
- Specific Gravity(20°C): 1.06±0.05
- pH(20°C) : 6.5±2.0

Advantages

- Reduces water content, maintaining the same workability
- Improves durability
- Extends slump life
- Reduces bleeding at high slumps
- Promotes usage of cementitious supplementary materials such as fly ash, blast furnace slag, and silica fume
- Improves pumpability
- Decreases bug holes

Dosage

- 0.5~4.0% wt. % of total binder
- The dosage range is applicable to most concrete mixtures using typical concrete ingredients. However, variations in job conditions and concrete materials, such as silica fume, may requires dosages outside the recommended range.

Test results

[Lab. Test]

Mix design

	W/C (%)	S/A (%)	Unit Weight(kg/m ³)					AD (Bx%)
			W	C	F/A	S	G	
I	39.0	45.0	160	348	62	781	966	1.0
II	36.8	44.0	163	370	65	754	971	1.0

Materials C : OPC(S.G. 3.15) F/A : Fly Ash(S.G. 2.15)
S : River Sand (S.G. 2.60) G : Crushed Gravel (S.G. 2.63)
AD : ECONEX CooNa-L

Test results

	Slump (mm)			Air (%)			Comp. Strength (MPa)		
	0 min.	30min	60min	0 min.	30min	60min	3days	7days	28days
I	215	210	200	4.5	4.1	4.2	20.6	31.6	45.1
II	210	205	195	4.3	4.0	4.0	23.5	35.8	49.9

Caution

- ECONEX® CooNa-L is a non-toxic and non-flammable; however, if contaminated, please wash thoroughly
- If mixed with other admixtures, it may form precipitates or gel. Please use separately
- If frozen, thaw and agitate thoroughly
- Use after approximately 10 minutes pre-mixing

Packaging

- 200 liter drum
- 1,000 liter drum
- Flexitank



12th Fl. Sam-an Bldg. 945 Daichi-dong, Kangnam-gu, Seoul, Korea 135-280
Phone : 82-2-554-6006 Fax : 82-2-563-1199