

# ECONEX® SLUMPIA-L

## High Range AE Water Reducing Agent

### Introduction

ECONEX® Slumpia-L is a liquid type admixture based on naphthalene sulfonate condensates. It improves the quality of high strength concrete by reducing W/C ratio, and also gives good workability.

### Properties

- Appearance : Dark brown liquid
- Specific Gravity(20°C) : 1.20±0.05
- pH(20°C) : 7.0±1.0

### Advantages

- Improves workability and reduces bleeding
- Reducing W/C ratio
- Increases compressive strength
- Increase durability
- Works good with Fly ash, Slag, Silica fume

### Usage

- Standard structure
- Standard use in ready mix concrete
- Prestressed concrete structures
- Secondary concrete
- Mass concrete

### Dosage

- 0.5~2.5% 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

[Ordinary Concrete Lab Test]

#### Mix design

	W/C (%)	S/a (%)	Unit Weight(kg/m <sup>3</sup> )				AD (Cx%)
			W	C	S	G	
I	37.0	44.0	167	451	761	979	1.1
II	34.0	44.0	167	491	741	954	1.2
III	31.0	44.0	167	539	728	938	1.3

Materials C : OPC(S.G. 3.15) S : River Sand (S.G. 2.62)  
G : Crushed Gravel (S.G. 2.65) AD : ECONEX Slumpia-L

#### Test results

	Slump (mm)			Air (%)			Comp. Strength (MPa)		
	0 min.	60min	90min	0 min.	60min	90min	3days	7days	28days
I	220	195	175	5.3	4.5	4.4	29.3	38.7	46.6
II	230	210	190	5.1	4.5	4.3	33.2	42.2	51.0
III	225	215	195	4.3	3.9	3.6	36.5	45.0	54.6

### Packaging

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



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