

CHUPOL LB-01

Bleeding Reducing Agent / Viscosity Modifying Agent

Description

CHUPOL LB-01 is a bleeding reducing agent / viscosity modifying agent for PCE type superplasticizers. CHUPOL LB-01 can provide the suitable viscosity to concrete and exhibit a bleeding reduction effect. CHUPOL LB-01 contributes to improve the workability of concrete.

Applications

Ready-mix concrete

Precast / Prestressed concrete

Self-consolidating concrete (SCC)

Advantages

CHUPOL LB-01 provides the following properties :

- Reduces bleeding amount of concrete
 - Improves the workability of fresh concrete
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Dosage

A recommended dosage range of CHUPOL LB-01 is between 1 and 10% on PCE type superplasticizers.

The dosage rate will vary according to the solid content of water reducers, the local materials, ambient conditions and the intended concrete requirements.

Compatibility

CHUPOL LB-01 can be dissolved in PCE type admixture.

Characteristic

- Appearance : Brownish liquid
 - Solid content : Approx. 20 %
 - Density (20°C) : Approx. 1.04 g/cm³
 - Chloride content : Nil
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Performance Data

Admixture : PCE polymer [A]
PCE polymer [A] + CHUPOL LB-01 (ratio 90 / 10)
Cement : Portland Blast-Furnace Slag Cement

W/C	Unit weight (kg/m ³)			
	Water	Cement	Fine Agg.	Coarse Agg.
0.575	175	304	848	942

(Concrete Temp. 20 °C)

Admixture	Slump (cm)	Air Content (%)	Bleeding Amount (cm ³ /cm ²)	Compressive Strength (MPa)	
				7 days	28 days
PCE polymer [A]	18.5	4.5	0.43	19.4	37.9
PCE polymer [A] + LB-01	19.0	4.4	0.19	19.2	37.2

Storage

CHUPOL LB-01 should be stored in the range of 5 to 40 °C. Although freezing does not harm the performance of CHUPOL LB-01, precautions should be taken to protect it from freezing. If product is frozen, thaw and reconstitute with mechanical agitation. Do not use pressurized air for agitation.

Shelf Life

CHUPOL LB-01 has a minimum shelf life of 18 months. Please contact TAKEMOTO regarding suitability for use and dosage recommendations if the shelf life of CHUPOL LB-01 has been exceeded.

Packaging

CHUPOL LB-01 is supplied in 200kg of drums or 1,000kg of totes.

Related Documents

Safety Data Sheet

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