

CHUPOL V700

Pumpability Improving Agent

Description

CHUPOL V700 provides better pumpability to concrete by reducing concrete viscosity and stickiness. In addition, CHUPOL V700 doesn't influence to increase air content in concrete, so that it's not necessary to be concerned about decrease of compressive strength. CHUPOL V700 is used with PCE type water reducers.

Applications

- Ready-mix concrete
 - Precast / Prestressed concrete
 - Self-consolidating concrete (SCC)
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Advantages

CHUPOL V700 provides the following properties :

- Improves concrete condition
 - Reduces stickiness of fresh concrete
 - Improves concrete pumpability
 - No influence on compressive strength
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Dosage

A recommended dosage range of CHUPOL V700 is between 0.5 and 3.0 % by weight of PCE type admixtures. The dosage rate will vary according to materials, ambient conditions and the specific requirements.

Compatibility

CHUPOL V700 basically has good compatibility with PCE type admixtures when used within recommended dosage range. But it's possible to change results depending on the situation, so that we recommend evaluating compatibility of CHUPOL V700 with each PCE type admixtures in advance.

Characteristic

- Appearance : Brownish liquid
 - Solid content : Approx. 40%
 - Specific gravity : Approx. 1.06
 - Chloride content : Nil
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Performance Data

W/B	Unit weight (kg/m ³)					
	Water	Cement	GGBS	FA	Fine Agg.	Coarse Agg.
0.35	165	300	120	50	720	1010

Admixture	Dosage (B × %)	Slump Flow (cm)	50cm Flow Time (sec.)	Air Content (%)	Pumping pressure (30m ³ /h) (MPa)	Compressive Strength (MPa)
						28 days
PCE-Ad only	1.10	63.0	9.8	1.8	5.8	58.7
PCE-Ad (98%) + V700 (2%)	1.10	63.5	8.2	1.6	4.6	59.2

Storage

CHUPOL V700 should be stored at 5 to 40 °C. Although freezing does not harm the performance of CHUPOL V700, 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 V700 has a minimum shelf life of 18 months. Please contact TAKEMOTO regarding suitability for use and dosage recommendations if the shelf life of CHUPOL V700 has been exceeded.

Packaging

CHUPOL V700 is supplied in 200kg drums or 1,000kg IBCs.

Related Documents

Safety Data Sheet

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