

For
building products

MEGAFLOW®

dkfinechem.com

DK FINECHEM

MEGAFLOW®Superplasticizer

Polycarboxylate Ester base

1.DESRIPTION

Polycarboxylate Ester Superplasticizer

2. Properties

Improved workability or water reduction in concrete

Improved strength of concrete

Decreased bleeding or materials separation

3. Applications

High-performance of concrete

High-fluidity or High-Slump of concrete

High strength of concrete

Early setting time

Reduction of bleeding

Reduction of aggregate separation

4. Technical Specification

Type	PC-500	PC-600	PC-900
Appearance	Yellow brown(Liquid)		
Solid Content	Min 50%		
pH	2.0-4.0	3.0-4.5	4.0-5.0
Density	approx 1.10		
Viscosity(cPs)	300-600		

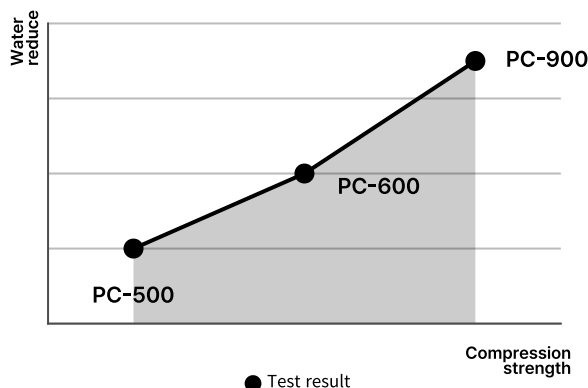
5. Storage and packing

Keep containers closed when not in use

When frozen, it can be used after being melt, but please check its functions before use.

See the Material Safety Data Sheet for detail information on safety related issues.

Type	Unit Qty	20FT load	40FT load
	230kg	18,400	36,800
	1,000kg	20,000	40,000
	25,000kg	-	-



6-1. Performance comparison: slump flow

Type	Slump Flow(mm)	
	instant	60min
PC-500	500*510	350*340
PC-600	600*600	400*400
PC-900	620*610	450*460

6-2. Performance comparison: Compression strength

Type	Air rate (%)	Compression strength(Mpa)			
	Instant	Day1	Day3	Day7	Day28
PC-500	1.5	8.0	21.8	39.3	53.8
PC-600	1.2	9.5	23.1	39.5	54.0
PC-900	1.0	9.7	23.6	39.7	54.4

7. Formulation guide

W/C (%)	S/a(%)	Unit weight							SP/C [AD, %] 20%sol
		W	C1 [Cem1] 42.5N	C2 [slag]	C3 [Fly ash]	S1 [~4mm]	S2 [~6mm]	G [~20mm]	
34.5	48.5	162	305	94	71	326	498	882	0.9

8. Recommendation guide

*** Best, **Good, *Normal

Type	General Concrete	Early Strength Concrete	ultra-high strength concrete	self-filled concrete
PC-500	***	*	**	*
PC-600	***	*	***	**
PC-900	***	***	***	*

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