

for Dry mix  
building products

# SUPERFLOW®

## Superflow®superplasticizer Sodium naphthalenesulphonate base

dkfinechem.com

**DK FINECHEM**

### ● Category

CATEGORY	Sodium naphthalene base Superplasticizer
ITEM NAME	<b>SUPERFLOW®Superplasticizer</b>
CAS NO	36290-04-7
HS CODE	38244090

### ● Technical data

Customized setting time modify available

TYPE	SUPERFLOW® SF-5	SUPERFLOW® SF-10	SUPERFLOW® SF-18
Solid Content (%) ≥	92		
PH Value	7-9		
Na2SO4 Content (%) ≤	5	10	18
Chlorine Content (%) ≤	0.3	0.4	0.5
Net Starch Fluidity (mm) ≥	250	240	230
Max Water Reducing Rate (%)	26	25	23
25kg DFC export standard bag; 650kg Jumbo bag.			

### ● Description

SUPERFLOW® is made of naphthalene, sulfuric acid, formaldehyde and liquid base, and undergoes a series of reactions such as sulfonation, hydrolysis, condensation and neutralization, and then dried into powder.

Naphthalene sulfonate formaldehyde is commonly referred to as a superplasticizer for concrete, so it is especially suitable for the preparation of high-strength concrete, steam-cured concrete, fluid concrete, impermeable concrete, waterproof concrete, plasticized concrete, steel bars and prestressed reinforced concrete.

In addition, sodium naphthalene sulfonate formaldehyde can also be used as a dispersant in the leather, textile and dye industries, etc.

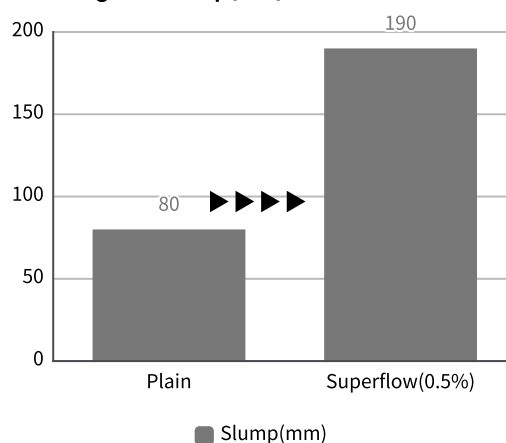
### ● Advantages

- Improve workability of concrete
- Improve concrete strength&durability
- Improve resistance to freeze-melting
- Low impact of concrete air flow

### ● Guide formulation application test

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]	
50	45	160	320	-	515	225	-	1,040	0.5

### ● Length of slump(mm)



### ● Fluidity



### ● Improved workability according to superflow mix in the same concrete formulation

Differences in binder type, raw material sources, storage conditions of the binder and other individual parameters at the plant and/or job site can influence the performance.  
\* Note: Preliminary testing is required to determine the exact dosage for your specific conditions.

Please contact our technical service for more information and assistance. ( ✉ sales@dkfinechem.com)

### ● Packing and storage

25kg or 600kg Jumbo bag  
paper/ poly bag with inner  
Keep containers closed when not in use  
but please check its functions before use.  
See the Material Safety Data Sheet for detail information on safety related issues.



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