

K2 SUPLAST SNF

HIGH RANGE WATER REDUCING CUM RETARDING PLASTICIZER



High range & Quality, concrete Super Plasticizer based on modified Sulphonated Naphthalene Formaldehyde. K2 Suplast SNF is a concrete super plasticizer, which when added to concrete disperses the cement particles and enhances the workability by multi folds and also facilitates high retardation.

BENEFITS

- Improves Workability
- Increases Strength
- Improves Quality
- Good Slump Retention
- Chloride Free

PHYSICAL PROPERTIES

Physical form	:	Brown Liquid
Chloride Content	:	Nil as per IS 456
Air Entrainment	:	1% to 2% additional air entrained over reference concrete
Specific gravity	:	1.15 +/- 0.02

STANDARDS

K2 Suplast SNF Complies with IS 9103-1999

Dosage And Usage

The normal recommended dosage is 0.4% to 1.4% by weight of cement. The optimum dosage and compatibility of the admixture should be confirmed by proper trials in-situ. Over dosage will lead to retardation as the formulation is specifically designed to give extra retardation. The initial strengths of the concrete will be less i.e. 1st day. Strengths on 3rd day, 7th day and 28th day will not be affected. K2 Suplast SNF has to be added on to wet concrete mix for best results. K2 Suplast SNF has slump retaining ability and hence can be transported to longer distance due to which cold joints and placing problem can be avoided.

Trial Details				
A				
SR NO.	Material Description	Design Mix Recipe Qty.Kgs		Remarks
		Trial 1	Trial 2	
1.	Coarse Aggregate 20 mm	16.30	16.30	
2.	Coarse Aggregate 10 mm	16.30	16.30	
3.	River Sand	7.11	7.11	
4.	Crushed Sand	7.11	7.11	
5.	Cement (Birla super 53 G)	8.16	9.60	
6.	Fly Ash	1.44	0.00	15% Fly
7.	Water	5.70	5.70	
8.	Admixture (K2 suplast SNF)	0.05	0.07	0.6% & 0.71% Admx
	Total Concrete Mix Quantity	62.17	62.19	
B				
Preliminary Test Values				
	Initial Slump retention = 80 mm	150 mm	130 mm	
	Slump after one hour	110 mm	100 mm	

Technical Data

Type	:	Naphthalene formaldehyde Sulphonate
Colour	:	Dark Brown
Sp gravity	:	1.150 ± 0.020 Kg/Ltr
Ph value	:	7.5 ± 1.0

Precautions

K2 SUPLAST SNF is non-toxic, non-flammable. Splashes on the eyes have to be immediately washed with plenty of water and medical advice has to be taken

Supply

K2 Suplast SNF is supplied in 20 Kg & 200 Kg drums.

Shelf Life: 1 year.

TECHNICAL SUPPORT

The company provides a technical service supported by a team of specialist applicators in the industry

Important note :

Jay Chemical Industries Ltd products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Jay Chemical Industries Ltd endeavors to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it or its applicators.



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