

POLYHEED® 896

Retarding Admixture

RECOMMENDED USE

POLYHEED 896 is recommended for all concrete where extended setting characteristics, particularly in hot weather are desired. POLYHEED 896 can be used with air-entraining admixtures, as long as it meets ASTM, AASHTO and CRD specifications.

DESCRIPTION

POLYHEED 896 is a retarding admixture, formulated to produce:

1. A mid range water reduction (3 to 5%)
2. Increase of setting time throughout the long range of recommended dosage
3. Improved performance, within a wide range of cements, fly ashes, slags and aggregates.
4. Improves time setting features

POLYHEED 896 admixture meets ASTM C 494

for Type A retarding admixtures.

BENEFITS

POLYHEED 896 helps produce a quality concrete with the following special benefits:

- Superior workability and pumpability in warm weather applications

POLYHEED 896 is effectively used by itself or as part of an admixture systems of BASF Construction Chemicals.

PERFORMANCE CHARACTERISTICS

The data shown are based on controlled laboratory tests. Reasonable variations from the results shown here may be experienced as a result of differences in concrete making materials and jobsite conditions.

Setting time

Concrete mix	Initial setting (Hrs:Mins)	Difference (Hrs:Mins)
Normal	3:40	
POLYHEED 896		
400 ml/100 kg	4:40	+2:00
600 ml/100 kg	7:55	+4:15

Compressive Strength

Concrete mix	7 days		28 days	
	MPa	%	MPa	%
Normal	12.9	/ 100	18.9	/ 100
POLYHEED 896				
400 ml/100 kg	18.4	/ 143	19.1	/ 128
600 ml/100 kg	21.5	/ 188	23.2	/ 152

Note: When used in conjunction with other admixtures, each admixture must be dispensed separately into the concrete mixture..

Performance Characteristics and Mixture Data

234kg of Type I cement by m³; slump 152.8 mm, non-air-entrained concrete, concrete temperature 30°C, ambient temperature 32°C.



The Chemical Company

Dosage

POLYHEED 896 retarding admixture has a recommended dosage range of 200 a 700 ml / 100 kg of cementitious material for most concrete mixtures. BASF Construction Chemicals does not recommend the use of dosages outside the recommended range without trial testing. Consult your local BASF Construction Chemicals sales representative for assistance in determining the dosage for optimum performance.

Non-Chloride, Non-Corrosive:

POLYHEED 896 is a mid-range water-reducing and will neither initiate nor promote corrosion of reinforcing and prestressing steel embedded in concrete, or of galvanized steel floor and roof systems. Neither calcium chloride nor other chloride-based ingredients are used in the manufacture of POLYHEED 896.

PACKAGING

POLYHEED 896 is supplied in 208L drums, 1040L totes and by bulk delivery.

STORAGE

POLYHEED 896 admixture has a minimum shelf life of 12 months, if maintained in original sealed packaging, stored under dry and fresh area. Avoid storing directly under the sun or in high temperatures..

SAFETY

See the Material Safety Data Sheet of this product, or contact your local BASF sales representative.

The aforesaid information represents the best of our knowledge and is not based solely on the lab work but also on the experience in the field. However, given the different factors that affect the results, we provide this information without warranty and without assuming any manifested liability.

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