

Description

POLYHEED 842N is a Mid-Range Water-Reducing, multi-component and free of chlorides, is specially formulated to produce:

1. True mid-range (5-15%) water reduction and excellent performance across a wide concrete slump range
2. Increases setting time of concrete across the recommended dosage range
3. Superior workability, pumpability and finishability qualities even in concrete mixes containing low amounts of cementitious materials, and/or concrete mixes with fly ash content
4. Develops Compressive and flexural strength comparable to retarding and water reducing admixtures
5. Improved performance with a wide range of cements, fly ashes, silica fume, granulated slags, and aggregates

POLYHEED 842N meets the requirements of ASTM C494 for water reducing admixtures Type A and retarding and reducing Type D

- Reduces water content for a given slump
- Increases development of compressive and flexural strength

Applications

POLYHEED 842N is recommended in any concrete application where extended settings, workability and superior finishability is required, particularly in hot weather environment. POLYHEED 842N can be used in architectonic

POLYHEED® 842N

Mid-Range-WaterReducing and Retarding Admixture

concrete applications or with colored concrete.

POLYHEED 842N can be used together with air entraining admixtures, as long as it meets ASTM, AASHTO y CRD specifications.

Features and Benefits

POLYHEED 842N aids in the production of a high quality concrete with the following particular benefits:

- Superior pumpability and workability in applications in warm weather.
- Reduces bleeding and slump

POLYHEED 842N is effective either used as an only admixture or as a part of a BASF Construction Chemicals admixture's system.

For Better Performance

Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

Technical Data

1 Note: The following data is based in controlled laboratory test. Reasonable variations can be expected due to conditions of the site and of the materials used.

Setting Time Performance

Mixture	Initial Set (h:min)	Difference (h:min)
Plain	3:30	
POLYHEED 842N		
400 ml/100 kg	4:15	+0:45
500 ml/100 kg	4:40	+1:10
600 ml/100 kg	5:01	+1:31

Compressive Strength Performance

Mixture	7 Days		28 Days	
	MPa	%	MPa	%
Plain	19.5	100	20.9	100
POLYHEED 842N				
400 ml/100 kg	22.2	113	30.1	144
500 ml/100 kg	24.4	125	31.4	150
600 ml/100 kg	23.4	120	32.1	154

Producto: POLYHEED® 842N

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

Performance Characteristics and Mixture Data

234 kg of cement Type I by m3. 127 mm slump, non air entrained. Concrete temperature 31°C, environment temperature 32°C.

Dosage: POLYHEED 842N admixture has a recommended dosage range of 350 to 800 ml for each 100 kg of cementitious materials, for most of concrete mixtures. BASF Construction Chemicals recommends field testing before using any dosages outside of the recommended range. Contact your local BASF representative to determine the optimum dosage.

Non-Chloride, Non-Corrosive: POLYHEED 842 N

Admixture will neither initiate nor promote corrosion of reinforcing or 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 842 N admixture.

PACKAGING

POLYHEED 842N admixture is supplied in 208L drums, 1040L totes, and by bulk delivery.

STORAGE AND HANDLING

POLYHEED 842N has a minimum shelf life of 12 months, if stored in original closed containers and in a dry and mild area. Avoid hot temperatures and sun exposure.

SAFETY

Check the Material Safety Data Sheet (MSDS) of the product

Additional Information

For additional information on POLYHEED 842N admixture or its use in developing concrete mixtures with special performance characteristics, contact your BASF Construction Chemicals representative.

BASF Construction Chemicals is a leading provider of innovative additives for specialty concrete used in the ready mix, precast, manufactured concrete products, underground construction and paving markets throughout the NAFTA region. The Company's respected Master Builders brand products are used to improve the placing, pumping, finishing, appearance and performance characteristics of concrete.

LIMITED WARRANTY NOTICE. We warrant our products to be of good quality and will replace or, at our discretion, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, BASF MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and BASF shall have no other liability with respect thereto. Any claims regarding product defect must be received in writing within one (1) year from the date of shipment. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the BASF Technical Manager. This information and all further technical advice are based on BASF's present knowledge and experience. However, BASF assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. BASF SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. BASF reserves the right to make any changes according to technological progress or further developments.

For Professional use only. Not for sale to or use by the general public.

BASF Construction Chemicals

23700 Chagrin Blvd
Cleveland, OH, USA, 44122
1-216-839-7550

México 55-5899-3984 www.basf-cc.com.mx	Guadalajara 33-3811-7335	Monterrey 81-8335-4425	Mérida 999-925-6127	Tijuana 664-686-6655
Costa Rica 506-2440-9110 www.centroamerica.basf-cc.com	Panamá 507-300-1360	Puerto Rico 1-787-258-2737 www.caribbean.basf-cc.com	Rep. Dominicana 809-334-1026 www.basf-cc.com.do	

**Master
Builders**