

MasterPolyheed® 927

Mid range water-reducer and retardant admixture

Polyheed® 927*

Description

MasterPolyheed 927 is a multicomponent mid-range water-reducing admixture, free of chlorides, formulated to produce:

1. A mid-range water reduction (5 to 15%) and an excellent performance throughout an extended range of slumps, particularly the difficult range of 6 to 8 in (150 to 200 mm).
2. Increases the setting time of concrete along the recommended dosage range .
3. Improves workability, pumpability and finishing quality, even in mixes with low quantities of cementitious materials and/or mixes with fly ash or natural pozzolans content.
4. Development of comparable strengths with water reducing and retarding admixtures.
5. Better performance with a wide range of cement types, fly ash, aggregates and granulated slag.

MasterPolyheed 927 meets the requirement of ASTM C494 for water retardant admixtures Type A, and water reducing and retarding Type D.

Applications

- MasterPolyheed 927 is recommended to use with any concrete where extend setting time, workability and superior finishing is required, particularly in warm climates.
- MasterPolyheed 927 can be used in architectonic and colored concrete.

Features

- MasterPolyheed 927 is a mid-range water-reducing and set retarding admixture that modifies the hydration of cement.
- Reduces the content of water for a given slump
- Better setting time characteristics.
- Increase compressive strength development.

Benefits

- Superior workability and pumpability in applications in warm climates with high humidity.
- Reduces bleeding and segregation
- Better finishing characteristics in flat surfaces, poured and extruded surfaces (extruding equipment).
- Consistent performance in concrete with low slumps, mid-range slump of 6 to 8 in (150 to 200 mm) and high range slumps

Guidelines for use

Dosage: MasterPolyheed 927 is applied at a range of 10 to 27 fl oz/100 lb of cementitious material (300 to 800 mL/100 kg of cementitious material) for most concrete mixtures. BASF does not recommend the use of dosages outside the recommended range without trial testing. Consult your BASF sales representative for assistance in determining the dosage for optimum performance.

Product Notes

Corrosivity – Non-Chloride, Non-Corrosive: MasterPolyheed 927 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 MasterPolyheed 927 admixture.

Compatibility: MasterPolyheed 927 admixture is compatible with most admixtures and can be used in combination with other BASF admixtures, unless stated otherwise. When used in conjunction with other admixtures, each admixture must be dispensed separately into the concrete mixture. MasterPolyheed 927 admixture can be used with air entrainer admixtures if it meets ASTM, AASHTO and CRD requirements.

Storage and Handling

Storage Temperature: MasterPolyheed 927 admixture should be stored at a temperature above 32 °F (0 °C). If MasterPolyheed 927 admixture freezes, thaw at 35 °F (2 °C) or above and completely reconstitute using mild mechanical agitation. **Do not use pressurized air for agitation.**

Shelf Life: MasterPolyheed 927 admixture has a minimum shelf life of 12 months. Depending on storage conditions, the shelf life may be greater than stated. Please contact your local sales representative regarding suitability for use and dosage recommendations if the shelf life of MasterPolyheed 927 admixture has been exceeded.

Safety: MasterPolyheed 927 does not contain hazardous substances that should be indicated on the label. If it used safety when industry standard precautions are followed, such as wearing gloves, safety goggles, etc.

Packaging

MasterPolyheed 927 is supplied in 55 gal (208 L) drums, 275 gal (1,040 L) totes, and by bulk delivery.

Related Documents

Safety Data Sheet (SDS): MasterPolyheed 927.

Additional Information

For additional information on MasterPolyheed 927 admixture or its use in developing concrete mixtures with special performance characteristics, contact your local sales representative.

The Admixture Systems business of BASF's Construction Chemicals division is the leading provider of solutions that improve placement, pumping, finishing, appearance and performance characteristics of specialty concrete used in the ready-mixed, precast, manufactured concrete products, underground construction and paving markets. For over 100 years we have offered reliable products and innovative technologies, and through the Master Builders Solutions brand, we are connected globally with experts from many fields to provide sustainable solutions for the construction industry.

Limited Warranty Notice

BASF warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. BASF MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is shipment to purchaser of product equal to the amount of product that fails to meet this warranty or refund of the original purchase price of product that fails to meet this warranty, at the sole option of BASF. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. BASF WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. 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, nor shall any legal relationship be created by or arise from the provision of such information and advice. BASF reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.

* Polyheed 927 became MasterPolyheed 927 under the Master Builders Solutions brand, effective January 1, 2014.

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