

# MasterPel® 200HD

## Water-Repellent and Efflorescence Control Admixture for High-Density Applications

### Description

MasterPel 200HD multi-purpose admixture is specially formulated and designed for water-repellent and efflorescence control in the high-density applications such as concrete paving stone productions. This unique formula is based on a novel silane chemistry that is different from the conventional water-repellent admixtures in the manufactured concrete product industry.

MasterPel 200HD admixture imparts excellent wind-driven rain resistance, and masonry units treated with MasterPel 200HD admixture have achieved the highest rating per ASTM E 514.

### Applications

Recommended for use in

- Paving stones
- Segmental retaining wall units
- Concrete roof tiles
- Concrete bricks
- Precast /prestressed concrete
- Concrete masonry units
- Ready-Mixed Concrete

### Features

#### Masonry

- Unique formulation, specially designed for high-density applications
- Enhances color and reduces efflorescence potential
- Provides improved material flow and extrusion characteristics
- Superior water repellency versus conventional water-repellent admixtures

#### Concrete

- Reduces capillary absorption

### Benefits

- Significantly reduces secondary efflorescence, improves primary efflorescence control
- Improves color vibrancy and pigment efficiency
- Increases compressive and flexural strengths
- Increases production rate
- Adds visual appeal

### Guidelines for Use

#### Dosage:

*Masonry Applications:* Use MasterPel 200HD admixture at a dosage in the range of 2–6 fl oz/cwt (130–390 mL/100 kg) of cementitious materials depending on the desired benefits.

*Concrete Applications:* A typical dosage for MasterPel 200HD admixture is 5–6 fl oz/cwt (325–390 mL/100 kg) of cementitious materials for water repellency.

The dosage for optimum water repellency is determined through mix evaluation and testing procedures. Please consult with your local sales representative if dosages outside of the listed ranges are being considered.

To further improve the color efficiency and strength performance, the addition of a MasterPel high-performance plasticizing admixture is recommended.

**Mixing:** For maximum efficiency, add MasterPel 200HD admixture after wetting of aggregates and cement, and after at least 75% of the final mix water has been added. Allow at least 90 seconds of additional mix time after MasterPel 200HD admixture has been dispensed.

## Product Notes

**Design and Construction Considerations:** Design and construction details must observe all applicable design codes, incorporating the recommendations of NCMA.

MasterPel 200HD admixture will not compensate for flaws in design, materials, mix proportions, improper production procedures or improper construction methods. BASF is not responsible for inappropriate use of MasterPel 200HD admixture.

## Storage and Handling

**Storage Temperature:** MasterPel 200HD admixture must be stored at temperatures above 40 °F (4 °C) and below 105 °F (42 °C). MasterPel 200HD admixture should not be used after it freezes.

**Shelf Life:** When properly stored, MasterPel 200HD admixture has a shelf life of 12 months. Please contact your local sales representative regarding suitability for use and dosage recommendations if the shelf life of MasterPel 200HD admixture has been exceeded.

**Recirculation:** Proper recirculation is required to maintain the integrity of the product. A low pressure pump is recommended for recirculation. **Do not use pressurized air to recirculate.** Please consult your local sales representative for additional information on recirculation.

## Packaging

MasterPel 200HD admixture is available in 5 gal (18.9 L) pails, 55 gal (208 L) drums and 275 gal (1041 L) totes.

## Related Documents

Safety Data Sheets: MasterPel 200HD admixture

## Additional Information

For additional information on MasterPel 200HD 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.

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