

Description

Masterpave + ready-to-use, liquid admixture is for use in concrete paving. Masterpave + admixture meets ASTM C 494/ C 494M requirements for Type A, water-reducing, admixture.

Applications

Recommended for use in:

- All paving-related concrete requiring normal setting characteristics

MASTERPAVE® +

Paving Admixture

Features

- Increased compressive and flexural strength
- Reduced water content required for a given workability
- Normal setting characteristics

Benefits

- Improved workability
- Reduced segregation
- Superior finishing characteristics

Performance Characteristics

Mix Data: 439 lb/yd³ (260 kg/m³) of Type II cement; 3-3/4 to 4 in. (95-100 mm) slump; concrete and ambient temperature 72 °F (22 °C); non-air-entrained concrete

Setting Time Performance¹

Mix	Initial set (h:min)	Final set (h:min)
Plain	5:50	7:50
Masterpave + @		
3 fl oz/cwt (195 mL/100 kg)	5:30	7:10
5 fl oz/cwt (325 mL/100 kg)	5:40	7:35

Compressive Strength Performance¹

	1 Day			7-Day			28-Day		
	psi	MPa	%	psi	MPa	%	psi	MPa	%
Plain	870	6.0	100	2510	17.3	100	3870	26.7	100
Masterpave + @									
3 fl oz/cwt (195 mL/100 kg)	1270	8.8	146	3130	21.6	125	4640	32.0	120
5 fl oz/cwt (325 mL/100 kg)	1400	9.7	161	3430	23.6	137	4850	33.4	125

¹Note: 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.

Product Data: MASTERPAVE® +

Guidelines for Use

Dosage: Masterpave + admixture is recommended for use within a dosage range of 3-7 fl oz/cwt (195-460 mL/100 kg) of cementitious materials for most concrete mixtures using typical concrete ingredients. Because of variations in job conditions and concrete materials, dosages other than the recommended amounts may be required. In such cases, contact your BASF Construction Chemicals representative.

Product Notes

Corrosivity – Non-Chloride, Non-Corrosive: Masterpave + admixture will neither initiate nor promote corrosion of reinforcing steel in concrete. This admixture does not contain intentionally-added calcium chloride or other chloride-based ingredients.

Compatibility: Masterpave + admixture may be used in combination with any BASF Construction Chemicals admixture. When used in conjunction with other admixtures, each admixture must be dispensed separately into the concrete mixture.

Storage and Handling

Storage Temperature: If Masterpave + admixture freezes, thaw at temperatures above 35 °F (2 °C) and completely reconstitute by mild mechanical agitation. **Do not use pressurized air for agitation.**

Shelf Life: Masterpave + admixture has a minimum shelf life of 18 months. Depending on storage conditions, the shelf life may be greater than stated. Please contact your BASF Construction Chemicals representative regarding suitability for use and dosage recommendations if the shelf life of Masterpave + admixture has been exceeded.

Packaging

Masterpave + admixture is supplied in 55 gal (208 L) drums, 275 gal (1040 L) totes and by bulk delivery.

Related Documents

Material Safety Data Sheets: Masterpave + admixture

Additional Information

For additional information on Masterpave + admixture or its use in developing a concrete mixture with special performance characteristics, contact your BASF Construction Chemicals representative.

The Admixture Systems business of 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.

BASF Construction Chemicals, LLC
Admixture Systems

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