

MasterPolyheed 8126

High-range superplasticizer for pumpable concrete

DESCRIPTION

MasterPolyheed 8126 is a new generation superplasticizer developed primarily for use in pumped concrete. It contains polycarboxylate ether polymers and is specially formulated to give exceptionally high water reduction and significantly improved slump retention compared to conventional superplasticizer.

MasterPolyheed 8126 is free of chloride and has been formulated to comply with Chinese Standard GB 8076-1997 and ASTM C 494 for Types A and F admixtures. **MasterPolyheed 8126** fully meets the requirements of BS5075 : Part 3 : 1985 for high range water reducing admixtures. It is compatible with all Portland cements that meet recognized international standards.

RECOMMENDED USES

- Pumped concrete
- High fluidity concrete
- Highly durable concrete
- High strength concrete
- Ready-mixed concrete
- Long distance transport concrete

FEATURES AND BENEFITS

High water reduction	High early and ultimate strengths. Low permeability, high durability concrete.
High flowability	Ease of placing and compaction. No segregation.
Superior slump retention	No retempering. Ease of delivery to point of placement.
Low shrinkage and creep	Improve dimensional stability. Reduced risk of cracks.
Good cohesion	Ease of pumping. No bleeding.
Good workability	Excellent surface appearance. Self-compacting concrete.
Minimal bleed water	Excellent concrete quality.
High elastic modulus	Superior load bearing capacity.
Low permeability	Low capillarity

PROPERTIES

Form	: Liquid
Colour	: Light yellow
Specific Gravity	: 1.03 - 1.07
pH	: 6.0 – 8.0

TYPICAL PERFORMANCE DATA

MasterPolyheed 8126 improves early and final strength. It also improves slump retention and workability of the concrete more than traditional superplasticizers.

COMPATIBILITY

Do not use another naphthalene-based water reducing and/or superplasticizers as a mix with **MasterPolyheed 8126**. Erratic behaviours in slump and pumpability may be experienced.

MasterPolyheed 8126 is compatible with selected Master Builders Solutions air-entraining agents such as MasterAIR 202. Consult your local MBS representatives for advice.

APPLICATION

Dispensing

MasterPolyheed 8126 can be added into the mixing water or can be added to the wet concrete after the mixing water has been added. The addition of **MasterPolyheed 8126** to a dry concrete mix is not recommended. A separate dispenser and feed line must be used.

DOSAGE

Dosage of **MasterPolyheed 8126** should be decided according to the mix design, surrounding, the required water-reduction and workability. Normal dosage is 0.8% weight of cement with a range of 0.35%-2.0%. Trial mixes should be made to determine the optimum dosage.

SHELF LIFE

MasterPolyheed 8126 can be stored for 12 months at temperature between 5°C and 40°C in tightly sealed original drums. If found to be frozen, thaw it and reconstitute by stirring.

PACKAGING

MasterPolyheed 8126 is available in 205L drums or by bulk delivery.

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PRECAUTIONS

Health: **MasterPolyheed 8126** does not contain any hazardous substances requiring labelling.

It is safe for use with standard precautions followed in the construction industry, such as use of hand gloves, safety goggles, etc.

For detailed Health, Safety and Environmental Recommendations, please consult and follow all instructions in the product Material Safety Data Sheet

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builder Solutions Construction Chemicals publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builder Solutions Construction Chemicals either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions Construction Chemicals, are responsible for carrying out procedures appropriate to a specific application.

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