

MasterSet Delvo 111

Hydration control admixture for shotcrete concrete

DESCRIPTION

MasterSet DELVO 111 is a unique chemical admixture that stabilises the hydration of all cement components by the formation of a protective barrier around cementitious particles. This enables the setting of cement to be controlled over extended periods.

The manufacture and use of shotcrete has traditionally been linked to many drawbacks. Shotcrete mixes are high performance materials and their useful life is only a few hours. Long transportation and storage times as well as work interruptions in the shotcrete process cause quality loss, decreased productivity and wasted material.

MasterSet DELVO 111 is specifically formulated to work as a component within a dry silo system.

FIELDS OF APPLICATION

- Easy to use single admixture system for stabilising setting times
- Can stabilise mix workability for long periods, i.e. 5 to 48 hours are typical ranges

FEATURES AND BENEFITS

MasterSet DELVO 111 offers the following benefits:

- Stabilising setting times
- Fully flexible delivery options for manufactured shotcrete

DOSAGE

Dosage rates are dependent on cement contents, ambient temperatures and required stabilisation periods.

To assist you in obtaining the optimum performance in the required application, please consult your BASF Construction Chemicals representative

COMPATIBILITY

MasterSet DELVO 111 can be used with all types of EN 197 Cements. For use with other special cements, contact our Technical Services Department.

MasterSet DELVO 111 should not be pre-mixed with other admixtures. If other admixtures are to be used in concrete containing MasterSet DELVO 111 they must be dispensed separately.

When complimentary admixtures are required it is important that trials are performed, prior to any supply, to determine the respective dosages of any complimentary admixture, and the suitability, in the fresh and hardened state, of the resultant concrete. In these circumstances we recommend that you consult our Technical Services Department for further advice.

PACKAGING

MasterSet DELVO 111 is available in 500-kilo sacks.

CONTACT DETAILS

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Product Data	
Appearance:	Off white powder
Alkali content (%):	10.79 by mass
Chloride content (%):	<0.005 by mass
Sulfate content (%)	0.11
Logistics	
Shelf life:	12 months if stored according to manufacturer's instructions in unopened container.
Storage conditions:	Store in original sealed containers and at temperatures between 5°C and 30°C. Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.
Handling and transportation:	Refer to MasterSet DELVO 111 Safety Data Sheet
Disposal:	Refer to MasterSet DELVO 111 Safety Data Sheet



Certificate No. 0086-CPD-469071

EN 934-2: T3.1 & T3.2

Declaration of Performance can be found at www.master-builders-solutions.basf.co.uk

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MasterSet DELVO 111, BASF plc, Construction Chemicals, Version 4

Health and Safety

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Spillage

Chemical products can cause damage; clean spillage immediately.

DISCLAIMER

"BASF plc, Construction Chemicals" (the Company) endeavours to ensure that advice and information given in Product Data Sheets, Method Statements and Material Safety Data Sheets (all known as Product Literature) is accurate and correct. However, the Company has no control over the selection of its products for particular applications. It is important that any prospective customer, user or specifier, satisfies him/her-self that the product is suitable for the specific application. In this process, due regard should be taken of the nature and composition of the background/base and the ambient conditions both at the time of laying/applying/installing the material and when the completed work is to be brought into use.

Accordingly, no liability will be accepted by the Company for the selection, by others, of a product, which is inappropriate to a particular application.

Products are sold subject to the Company's standard conditions of sale and all customers, users and specifiers, should ensure that they examine the Company's latest Product Literature.