

MasterGlenium® SKY 8403

New generation high range water reducing admixture

DESCRIPTION

MasterGlenium SKY 8403 is a new generation admixture based on polycarboxylic ether combined with the DELVO CRETE Hydration Control Stabilizer. Compared to traditional superplasticizers **MasterGlenium SKY 8403** has a more powerful dispersing effect and is able, to provide extended open times for wet mix sprayed concrete.

RECOMMENDED USES

The excellent dispersing effect makes **MasterGlenium SKY 8403** the ideal choice for wet mix sprayed concrete where high early and final strengths are required. **MasterGlenium SKY 8403** provides a reduction in water content of approximately 25 - 30 % and still achieve the required workability.

This makes it ideal for:

- Temporary and final sprayed concrete linings
- Single Shell Linings
- Concrete for underground work to meet the
- highest demands of usability and pumpability combined with strength and durability.

FEATURES AND BENEFITS

- Allows for highly workable concrete at the lowest w/c ratio – without segregation and bleeding
- Provides extended open time to allow transportation and placing of the sprayed concrete, even hours after batching.
- Provides improved pumpability due to increased cohesion in the concrete mix
- Provides reduced wear and tear on the pump
- Greater durability from improved mechanical properties in the concrete.
- High early & final strengths
- Reduced permeability due to lower water/cement ration.

COMPATIBILITY

MasterGlenium SKY 8403 is compatible with all types of cement complying with international standards. **MasterGlenium SKY 8403** can be used in combination with the following admixtures and additives:

- Air entraining admixtures to optimize freeze/thaw durability.
- Silica Fume for higher density
- Shrinkage compensating admixture
- Synthetic and Steel Fibres
- Concrete Improvers.

APPLICATION

MasterGlenium SKY 8403 is ready to use admixture and must be added prior to the addition of other admixtures to the mix. Optimum plasticizing effect and thus water reduction is achieved if **MasterGlenium SKY 8403** is added immediately after 50 – 70% of the water. Avoid addition **MasterGlenium SKY 8403** to dry aggregate or cement.

PACKAGING

MasterGlenium SKY 8403 is available in 208 litre drums, 1000 litre containers and in bulk.

STORAGE

MasterGlenium SKY 8403 should be stored between +50°C and 30°C. If stored in original unopened containers it will have a shelf life of at least one year.

PRECAUTIONS

Health: MasterGlenium SKY 8403 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 on the product Material Safety Data Sheet.

MasterGlenium® SKY 8403

© = registered trademark of a MBCC Group member in many countries of the world

SG#MasterGlenium SKY 8403 v2-03. 2021

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions 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 Builders Solutions either orally or in writing may be followed, modified, or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

MB Solutions Singapore Pte Ltd
1 Harbourfront Avenue #07-07/08
Keppel Bay Tower, Singapore 098632
Tel : +65 6232 4888

www.master-builders-solutions.com/en-asiapacific