MELAFLOW™ M400

High-Performance Sulfonated Melamine Superplasticizer

PRODUCT DESCRIPTION

MELAFLOW™ M400 is a white, free-flowing, spray-dried powder based on a sulfonated melamine polycondensation product. It provides effective cement dispersion and water reduction, improving early strength development and compatibility with different cement types. The product is designed for use in cementitious formulations requiring improved workability and performance.

KEY FEATURES

- High water-reduction efficiency
- Non-air-entraining properties
- Low chloride content to minimise steel corrosion risk
- Enhances early strength and impermeability
- Suitable for steam-cured concrete
- Good compatibility with different cement types

APPLICATIONS

- Concrete admixture formulations
- Precast and steam-cured concrete
- High-early-strength cementitious systems
- Cement-based mortars and grouts
- Construction formulations requiring water reduction

CHEMPORT
Specialty Chemical Experts

LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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Users are solely responsible for determining the suitability of this product for their specific application and for ensuring compliance with all relevant regulations, industry standards, and intellectual property rights. The product must not be used in violation of any law, statute, or thirdparty rights.

Chemport Pty Ltd shall not be liable for any direct, indirect, or consequential loss or damage arising from the use of this product or reliance on the information provided in this document. Users should refer to the current Safety Data Sheet (SDS) and perform their own evaluations, including any necessary testing, to confirm the product's suitability for use in their particular conditions.

This document is subject to revision without notice as new data becomes available.

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PRODUCT SPECIFICATIONS

PARAMETER	TYPICAL VALUE
Physical Form	White powder
Solids Content (%)	92 ± 1.0
Viscosity (Ford B4 at 30°C, sec)	45–65
Water Solubility (1% Solution)	Soluble
Free Formaldehyde (%)	2–4
pH	6.0–8.0

DOSAGE INSTRUCTIONS

The recommended dosage is 0.5–1.5% by weight of binder. The optimum dosage should be determined through preliminary testing based on the required performance and characteristics of the cementitious formulation.

PACKAGING

Supplied in 25 kg multi-layer bags with an inner polyethylene liner and 250 kg drums. Alternative packaging may be available upon request.

STORAGE & HANDLING

Store in original, sealed packaging in a cool, dry and well-ventilated area. Protect from moisture and excessive stacking pressure. Storage temperatures should remain below 40°C.

SHELF LIFE

12 months from delivery when stored under the recommended conditions.

SAFETY

Avoid inhalation of dust and contact with skin and eyes. Use appropriate personal protective equipment when handling the product.

Refer to the current Safety Data Sheet (SDS) for detailed information on safe handling, storage and disposal.