

MC-Centrilit-Fume 950

High active mineral admixtures for concrete and mortar.

PRODUCT PROPERTIES:

- Significantly increases water impermeability.
- Increase sulfate resistance.
- Increases abrasion resistance.
- Provides excellent workability.
- Increases durability.
- Achieves high early strength as well as increased ultimate strength.
- Significantly reduces air penetration.

AREAS OF APPLICATION:

- High strength concrete.
- Precast concrete.
- Concrete in applications requiring high quality of both fresh and hardened concrete.
- Applications for concrete in marine environments.

APPLICATION NOTES:

- **MC-Centrilit-Fume 950** mineral additive contains ultra-fine active silica (particle size < 0.1µm). The presence of this active ingredient significantly improves internal bonding strength and impermeability. Concrete has very high bonding strength and significantly improved pumpability.
- Once the concrete has hardened, the active silica will form chemical bonds with the free lime produced during cement hydration.
- It can be combined with all MC-BIFI superplasticizer products for optimal results, but must be mixed separately.
- Use a mixer; do not mix by hand. Optimal mixing time depends on the type of additive combined.
- Can be used with all standard cements as well as sulfate-resistant cements.
- Contains no harmful substances; safe to use in accordance with construction safety principles. For example, use gloves, safety glasses, etc.
- Avoid contact with food and utensils, and avoid prolonged contact with skin. In case of contamination, rinse thoroughly with water. If splashed into eyes or mouth, rinse thoroughly with clean water and seek immediate medical attention.
- Avoid contact with foodstuffs and utensils. Avoid prolonged skin contact. In the event of contamination, wash thoroughly with water. If the eyes or mouth are affected, wash with clean water and obtain medical attention immediately.

TECHNICAL DATA:

Characteristic	Unit	Value	Comments
Density	g/cm ³	2.25	
Bulk volume	g/cm ³	0.5 - 0.7	
Recommend dosage	kg	3 - 7	per 100 kg of binder

PRODUCT CHARACTERISTICS:

Standard	Complies with TCVN 8827-2011 standard
Consistency	Powder
Expiry	24 months
Form of delivery	20kg/bag or 600kg/bag.

Products are based on laboratory tests and may vary depending on actual conditions. To determine the technical suitability of each product, preliminary tests must be conducted under applicable conditions.

Color: The color of the additive may change due to the reaction of polymer molecules in the additive with ultraviolet rays from sunlight. This color change does not affect the quality of the additive within the product's shelf life. However, the manufacturer recommends that customers store the product in a sheltered area and avoid direct sunlight to minimize negative weather effects.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

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