

BETTOMIX 100

High Performance Plasticizing Additive for Plaster Mortars

MATERIAL DESCRIPTION

BETTOMIX 100 is a high performance, micro air entraining mortar additive designed to increase the water impermeability, workability and freeze - thaw resistance of plaster mortars. Public Works Poz No : 04. 613/A

AREAS OF USE

- Indoor - outdoor vertical applications,
- In plaster mortars where water impermeability is desired to be increased,
- Used in brick or stone facing mortars to improve workability.

ADVANTAGES

- It has homogeneous air entrainment feature,
- Reduces segregation and efflorescence effects that can be observed in mortars without additives,
- Improves fluidity and workability of plaster mortars,
- Resistant to freeze - thaw cycles,
- Economical

TECHNICAL SPECIFICATIONS

Structure of the Material
Color

pH

Density

Applicable Floor

Temperature Service

Temperature

Aqueous Solution of Organic
Acid Surfactants

Light Yellow

1.0 kg / liter

1.0 ± 0.01 kg/liter

+5 °C +35 °C

-20 °C +80 °C

Note: The above values were obtained at +23°C and 50% relative humidity.



SURFACE PREPARATION

The surfaces to be repaired must be sound and free from dust and dirt. Broken surfaces to be repaired should be straightened as much as possible. Water should be drained away from excessively wet and puddled surfaces. Dry surfaces should be thoroughly moisturized.

MIXING

In order to achieve effective micro-air entrainment properties of **BETTONIX 100**, it **must** be mixed with a shovel or trowel until a homogeneous and lump-free mixture is obtained.

Plaster Mortars

Mix 350 kg cement with 1 m³ washed river sand of appropriate gradation. Add 10-17 kg **BETTONIX 100** to 120 kg water and add the liquid mixture to the previously prepared powder mixture until a mortar with trowel consistency is obtained. Surfaces should be wetted before application and **BETTONIX 100** mortar should be applied on wet/dry surfaces.

DOSAGE

BETTONIX 100 is recommended to be used at a ratio of 3% to 5% by weight of cement. Trial mixes should be made to find the optimum dosage. The dosage should be adjusted according to the properties of the sand. Cement dosage should be 350 kg.

PACKAGING

10 kg and 30 kg plastic drums

SHELF LIFE

12 months from the date of production under appropriate storage conditions. Opened packages can be resealed and used throughout their shelf life.

STORAGE


It should be stored in its unopened original packaging, in a cool and dry environment, protected from frost. For short-term storage, maximum 3 pallets should be stacked on top of each other and shipped on a first-in, first-out system. For long term storage, pallets should not be stacked on top of each other. Protect from frost. Do not store below + 5°C.

SECURITY MEASURES

During application, work clothes, protective gloves and goggles should be worn in accordance with Occupational Health and Safety rules. Avoid contact with skin and eyes during storage and application, in case of contact, wash immediately with plenty of water and soap, and in case of ingestion, consult a doctor immediately. Food and beverage products should not be brought into the application areas. It should be stored out of the reach of children. For detailed information, Material Safety Data Sheet should be consulted.

RESPONSIBILITY

The data contained in this technical document are based on our scientific and practical knowledge. **BETTON Construction Chemicals San. ve Tic. Ltd. Şti.** is only responsible for the quality of the product. **BETTON Construction Chemicals San. ve Tic. Ltd. cannot be held responsible** for any consequences that may occur due to misuse and/or misuse other than the written recommendations on where and how to use the product. **Ltd. Şti.** cannot be held responsible.

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1020 - CPR - 046 051247 DOP No: 93414 EN 934-3:2009	
BETTONIX 100 Bettonix 100 is a high performance micro air entraining mortar admixture designed to increase the water impermeability, workability and freeze - thaw resistance of plaster mortars. Table 2	
Amount of Air After Standard Mixing	A1= % (17 ± 3)
Air Amount after 1 hour Soaking	≥ A1 - %3
Amount of Air After Extended Stirring	≤ A1 + 5% and ≥ A1 - 5
Reduction in Water Requirement for Standard Consistency	≥ 8% by mass
28 Day Compressive Strength	Experimental Mix ≥ 70% of the control mix
Dangerous Goods	Suitable for Annex ZA.



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