



YAPI KİMYASALLARI SAN. VE TİC. LTD. ŞTİ.

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BETTOLATEX

Multipurpose Binder Additive for
Cement Based Plasters and Screeds

MATERIAL DESCRIPTION

BETTOLATEX is a new product that improves adherence and It is a copolymer dispersion based additive material used to increase water impermeability.

AREAS OF USE

- In precast concrete production,
- In repair mortars, (as an additive)
- As an adhesion additive in mortars prepared for the repair of screeds and plasters,
- As a waterproofing additive in plasters and screeds,
- Reinforced concrete silos,
- For increasing the adherence and water impermeability of internal and external plasters of water tanks, pools, treatment plants,
- Preparation of sprinkling in coating mortars in screeds,
- On top of gas-concrete with smooth and shiny concrete surfaces,
- As an additive in mortars prepared for laying natural stone, brick, tile slabs as a surface preparation before applying plaster and ceramics.

ADVANTAGES

humidity. High temperatures shorten the time, low temperatures lengthen the time.

TECHNICAL SPECIFICATIONS

Structure of the Material	Modified Polymer Dispersion
Color	White
Density	1.05 ± 0.05 kg/liter
pH	6,0 ± 1,05
Application Temperature	+5°C +35°C

Note: The above values are given for +23°C and 50% relative



- It creates a strong and lasting bond.
- Excellent adherence and elasticity
- High resistance to chemical and mechanical attack is achieved.
- Prevents sudden drying cracks.
- Provides water impermeability.
- Freeze - Thaw cycle
- Improves workability.



SURFACE PREPARATION

Preparation of mortar for repair mortars of 10 mm thickness and less: Mix 1 part of cement with 3 parts of sand, add 2 parts of water to 1 part of **BETTOLATEX** and add the liquid mixture prepared by adding 2 parts of water to the previously prepared powder mixture to obtain a mortar with trowel consistency.

Preparation of 10 mm and more thick mortar:

Mix 1 part of cement with 3 parts of sand, add 3 parts of water to 1 part of **BETTOLATEX** and add the liquid mixture prepared by adding 3 parts of water to the previously prepared powder mixture to obtain a mortar with trowel consistency.

In Plaster Mortars: Mix 350 kg cement with 1 m³ washed river sand of suitable granulation. Add 120 kg water to 5 kg **BETTOLATEX** and add the mixture to the previously prepared powder mixture to obtain a mortar with trowel consistency. The surfaces should be wetted 12 hours before the application and the mortar with **BETTOLATEX** additive should be applied on wet/dry surfaces.

Screeds : Primer (PCC): Mix 1 part cement with 3 parts river sand, add 2 parts water to 1 part **BETTOLATEX** and add the liquid mixture to the powder mixture. The mixture, which is brought to the consistency of grits, is spread on the floor with a brush with a thickness of 2 mm.

Preparation of Sand for Fine Plaster and Screeds (Quartz or Creek Sand) :

Sıva Kalınlığı	Kalınlık	Karışım Oranı
2 mm	0-0.3 mm	%33 0-0.2 mm.+%67 0.02-0.03 mm.
2-5 mm	0-1 mm	%40 0-0.7 mm.+%60 0.7-1 mm.
5-15 mm	0-3 mm	%50 0-1 mm.+%50 1-3 mm.
15 mm üstü	0-7 mm	%60 0-3 mm.+%40 3-7 mm.

Screed Preparation: At least 350 kg cement is mixed with 1 m³ washed river sand of suitable granulation. The liquid mixture prepared by adding 110 liters of water to 4 kg **BETTOLATEX** is added to the previously prepared powder mixture and brought to a consistency suitable for the screed.

Application: **BETTOLATEX** additive screed is applied on PCC which is applied to the surface with a thickness of 2 mm. Care should be taken that the PCC does not dry out. First of all, mix (a) and (b) mixtures to the consistency of boza. The prepared material is applied with a brush with a thickness of 2 mm on the surface soaked for 12 hours beforehand. Fresh concrete should be placed on the PCC before it dries and PCC should not be allowed to dry. A new coat should be applied on the dried PCC. **Preparation of Concrete for Industrial Floors:** Mix 1 m³ aggregate of suitable granularity, at least 380 kg cement, 85 kg water, 3 kg **BETTOLATEX** and 6 kg **BETTOMENT**. Pre-prepared PCC primer is applied on the floor with a thickness of 2 mm. Without allowing it to dry, the mortar with **BETTOLATEX** is poured on it and leveled.

Coating Mortars :

Coating mortar: Mix 1 m³ aggregate of suitable granulation, 250 kg cement and 3 kg **BETTOLATEX** with appropriate amount of water. The prepared mortar with additives is laid. The lower surfaces of the stones to be laid are primed with PCC and the laying process is completed.

Spreading Mortar: Mix 1 m³ of river sand of suitable granulation, 350 kg cement, 10 kg **BETTOLATEX** and add water until it reaches the consistency of boza. Apply 12 hours ago on the moistened surface with a spreader. Wait for drying. Before plastering or ceramic flooring works, the surface is wetted and the application is started.

PACKAGING

10 kg and 30 kg plastic drums.

SHELF LIFE

Under proper storage conditions, 1 year from the date of manufacture.

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 shipment should be made 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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BETTOLATEX
Bettolates is a copolymer dispersion based additive used to increase adhesion and water impermeability in cement based mortars and plasters. Table 9

Chloride Content	CLASS 1
Alkali Content	Max. 0.1 % _{Na2O}
Capillary Water Absorption	49.51% after 7 days of treatment 59.71% after 90 days of treatment
Compressive Strength	%87.2
Air Amount in Fresh Concrete	%2
Dangerous Goods	Appendix ZA is suitable



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