

# ExperPlaster BX 50

COLOR: Gray

**25**  
±%2 KG

## Plastering and Masonry Mortars

**103725**

GÜVEN MADENCİLİK İNŞAAT SAN. ve TİC. A.Ş.

### CEMENT-BASED, POLYMER AND FIBER-REINFORCED HIGH-PERFORMANCE, FLEXIBLE, GYPSUM BOARD PLASTER

Cement-based, polymer and fiber-reinforced high-performance, flexible, gypsum board plaster



HIGH ELASTIC

PROVIDES HIGH  
BONDING

NO SAGGING

#### TECHNICAL SPECIFICATIONS

Chemical Structure	Cement-based, polymer-modified powder
Powder Density	~1,50 gr/cm <sup>3</sup>
Particle Size Distribution	1 mm sieve residue ≤1%
Water Mixing Ratio	6.25-6.75 L water / 25 kg powder
Bulk Density of Fresh Mortar	≥ 1,200 kg/m <sup>3</sup>
Bulk Density of Hardened Mortar	1,250 kg/m <sup>3</sup> (± 200)
Pot Life	Max 1.5 hours
Adhesion Strength to Thermal Insulation Board	≥0.08 N/mm <sup>2</sup>
Adhesion Strength to Gypsum Board	≥0.30 N/mm <sup>2</sup>
Bond Strength	≥0.8 N/mm <sup>2</sup> - FP:B
Flexural Strength	≥2 N/mm <sup>2</sup>
Compressive Strength	≥6.0 N/mm <sup>2</sup>
Water Absorption	≤0.5 kg/(m <sup>2</sup> .min <sup>0.5</sup> )
Water Vapor Permeability (μ)	≤15
Thermal Conductivity	0.61 W/mK (TS EN 1745 - Table A12)(P.%50)
Reaction to Fire	A1
Service Temperature	(-20)°C - (+70)°C
Consumption	4.00-6.00 kg/m <sup>2</sup>

\* All technical values are calculated at +23°C and 50% relative humidity.  
Changes in temperature and humidity affect technical values.

#### ADVANTAGES

- Easy to apply.
- Provides high adhesion to gypsum and thermal insulation boards.
- Creates a smooth and even surface.
- Has high flexibility.
- Ensures high stability; no sagging or cracking.
- Vapor permeable, allowing the surface to breathe.
- Resistant to thermal shocks, water, and frost.
- Can be painted directly.

#### APPLICATION AREAS

- Used as a surface plastering material in: Indoor and outdoor spaces,
- On gypsum board, fiber cement board (Betopan), EPS, XPS, and rock wool thermal insulation boards,
- On raw concrete, brick, pumice, and similar masonry surfaces.

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## SURFACE AND APPLICATION CONDITIONS

- Ambient temperature should be between +5°C and +30°C.
- Application should be avoided in humid, rainy, windy, and high-temperature weather conditions.
- Should not be applied on frozen, melting, or surfaces at risk of rain or frost within 24 hours.

## SURFACE PREPARATION

- Ensure that the gypsum and thermal insulation boards to be applied are well adhered to the surface.
- For the first coat application, a 160 gr/m<sup>2</sup> plaster mesh with alkali resistance should be used. The plaster mesh should be overlapped by 10 cm over expansion and joint areas, and application should continue.

## PREPARATION OF THE MIXTURE

- Add 6.25-6.75 L of clean water to 25 kg of ExperPlaster BX 50 emptied into a clean container, and mix with a low-speed mixer until a homogeneous and lump-free mixture is obtained.
- The prepared mixture should be allowed to rest for 5-10 minutes depending on weather conditions; then, it should be re-mixed for 1-2 minutes until ready for use.

## APPLICATION DETAILS

- The first coat of the prepared material is applied to the surface with the help of a steel trowel.
- The application thickness in a single coat is max 2-3 mm. The total application thickness should not exceed 5-6 cm.
- While the first coat of plaster is still wet, the reinforcement mesh is stretched and pressed onto the entire surface from top to bottom, embedding it into the plaster.
- On beams, window, and door frames, the reinforcement mesh should be turned at least 20 cm.
- Meshed corner profiles should be used at corners.
- The second coat plaster application should start 3-4 hours after the first coat application.
- The second coat is applied in the same manner with a steel trowel, averaging 2-3 mm.

## WARNINGS

- Application should be avoided in humid, rainy, windy, and high-temperature weather conditions.
- Should not be applied on frozen, melting, or surfaces at risk of rain or frost within 24 hours.
- Application should not be made over expansion joints; expansion profiles should be used for these areas.

## CONSUMPTION

- 4.00-6.00 kg/m<sup>2</sup>

## EQUIPMENT CLEANING

- Equipment should be cleaned with clean water immediately after use. Cured material can only be cleaned by mechanical methods.

## STORAGE AND SHELF LIFE

- Must be stored in its original unopened packaging, in a closed, humidity-free, dry environment, protected from frost. Excessive load that could damage the packaging should not be placed on the products.
- Under suitable storage conditions, the shelf life is 12 months from the production date.

## SAFETY PRECAUTIONS

During use and storage, work clothing, protective gloves, and masks in accordance with Occupational Health and Safety rules should be used. Avoid contact with eyes, mouth, and skin; wash the affected area with plenty of water.

In more dangerous situations or if the product is swallowed, an expert doctor should be consulted immediately. Food and beverages should not be brought into application areas. Keep out of reach of children. For detailed information, refer to the Safety Data Sheet (SDS).

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