

PLYSET DRYWALL FIXING COAT

■ Description

A fixing plaster that bonds gypsum boards to surfaces such as concrete, aerated concrete and brick, offering high adhesion strength, flexibility and decorative appearance.

■ Application area

-Used for cladding gypsum boards onto existing wall surfaces, bonding polystyrene materials, mineral wool and insulation boards to walls and other building components, and filling gaps at wall-ceiling joints.

■ Application properties

- Working time: min. 60 minutes
- Setting time: 80-90 minutes
- Has strong adhesion properties.
- Strength increases rapidly after setting.
- Easy to apply.
- Does not produce bacteria, mold or fungi.
- Provides a healthy environment by balancing humidity.

■ Surface preparation

- Surfaces to be treated must be cleaned of dust, dirt, oil and other residues that may impair adhesion.
- In dry and hot weather, the surface to be applied must be moistened.
- Smooth surfaces must be roughened.

■ Application conditions

- Ambient temperature between +5 °C and +35°
- Must not be applied on frozen or thawing surfaces, or on surfaces at risk of frost within 24 hours.
- Completed surfaces **absolutely water** must not be brought into contact with.
- Must not be applied under direct sunlight, strong wind or on hot surfaces.

■ Warnings and Recommendations

- The water/plaster ratio must be observed. Otherwise, an incorrect ratio may cause spalling, cracking and strength loss.
- Application must not be carried out in very hot, dry or windy environments. Applications in extremely hot conditions

may result in spalling, cracking and strength loss.

-Product storage conditions must be observed. Products must not be kept in damp or very hot environments.

-Must not be used if hardening (lump formation) is observed inside the bag.

-Since the product contains various chemical additives and gypsum, the dust must not be inhaled. Avoid contact with skin and eyes. In case of contact, rinse thoroughly with water. Use protective equipment such as masks and gloves during work.

■ Application tools

Hand mixer, trowel, steel trowel

■ Application

-The mixing container must be clean and free of residues from the previous batch.

-The cleanliness of the water and materials used must be ensured. Water temperature should be between 17 and 23°C.

-The mortar must be prepared at a ratio of 5.75-6.25 liters of water to 10 kg of PLYSET DRYWALL FIXING COAT.

-First add water to the container, then PLYSET DRYWALL FIXING COAT is sprinkled in.

-Wait about 2-3 minutes for the plaster to absorb the water.

-Mix thoroughly with a trowel or hand mixer until the mortar reaches a homogeneous consistency.

-If a mechanical mixer is used, it must be operated at low speed.

-To prevent the plaster from clumping, water or plaster must not be added to the mortar after mixing.

-The materials to be used in the application must be kept clean.

- PLYSET DRYWALL FIXING COAT's must not be mixed with any other product or material.

-The application surface must, immediately before application, **absolutely be moistened.**

-On smooth surfaces such as concrete and aerated concrete, the bonding can be done by applying the fixing plaster with a notched trowel.

-On uneven surfaces such as brick, stone and breeze block, it is applied in dabs.

-After the fixing plaster is applied, the gypsum board is pushed against the surface and bonded. The boards are pressed against the wall with a leveling rule.

-A similar procedure is performed for other materials to be bonded to the wall.

▪ **Consumption**

1-1,5 kg/m²

• **Performance Information**

-Compressive strength: ≥ 2 N/mm²

-End of working time: ≥ 60 minutes

-Calcium sulfate content: $\geq 30\%$

-Adhesion strength: 0.06 MPa

-Airborne sound insulation: NPD

-Thermal resistance: ≤ 0.3 W(m/K)

-Reaction to fire: Class A1

-Dry surface hardness: ≥ 50 SHORE D

-Temperature resistance: -30°C and +60°C

-Note: Application properties values were obtained from laboratory tests (23 ± 2 °C and $50\% \pm 5$ humidity, with no air movement) and may vary under different environmental conditions. Performance information values were measured under the conditions specified in the relevant product standard and may vary under different conditions.

• **Reference Standards**

-EN 14496

• **Packaging**

-30 kg polypropylene-laminated bag

▪ **Physical state**

-White powder

• **Storage Conditions**

-Keep in a dry environment, with no more than 18 bags stacked. Bags must be stored off the ground and protected from moisture. Under these conditions, PLYSET DRYWALL FIXING COAT must be used within 12 months from the date of production. Improper storage conditions or exceeding the shelf life may impair the product properties.