

BOLIX KD PANEL

Dispersion Adhesive for Decorative Panels

PRODUCT DESCRIPTION:

- Excellent flexibility
- Provides high adhesion of decorative panels to the substrate
- Easy to apply
- Ready to use

USE:

BOLIX KD PANEL is a ready-mixed dispersion adhesive for bonding BOLIX WOOD EFFECT PANEL, BOLIX WALL SLATS PANEL LINEO, BOLIX RIBBED EFFECT PANEL and BOLIX CONCRETE EFFECT PANEL decorative panels to exterior walls of new and existing buildings, as well as to interior surfaces.

The product can be applied to:

- reinforced base coats of EWI with EPS boards or mineral wool boards,
- mineral substrates such as concrete, cement renders and cement-lime renders,
- fibre cement boards and cement-bonded particleboards firmly fixed to the substrate or frame,
- plasterboards,
- gypsum plasters.

SURFACE PREPARATION:

The ETICS, particularly the reinforced layer, shall be installed in accordance with the current BOLIX Thermal Insulation Installation Instructions IB/01 EPS or BOLIX IB/02, depending on the thermal insulation material used.

The surface of non-insulated walls must be structurally sound, even, dry and free from any bond-breaking substances such as dust, grease, loose particles, bitumen, algae and other contaminants that may impair adhesion. Remove any weak or detached render and old paint coatings. Prime porous substrates, particularly aerated concrete, with BOLIX N Primer. Level minor surface irregularities with an adhesive mortar for embedding glass fibre mesh, such as BOLIX U. Level major irregularities and defects with BOLIX LRC mortar and, once set, smooth out the entire surface using the above-mentioned adhesive mortar or joint compound. When bonding decorative panels to gypsum plaster or plasterboards, prime the substrate with BOLIX UltraGrunt and, once dry, apply BOLIX OP.

Before bonding decorative panels to other substrates, including the reinforced base coat of the EWI system, prime the surface BOLIX OP.

PRODUCT PREPARATION:

A ready-mixed product. Prior to application, thoroughly mix the entire contents of the packaging using a low-speed mixer until a uniform consistency is obtained. Do not over-mix, as this may introduce air into the adhesive.

NOTICE! During the summer, the adhesive may be thinned with clean water, up to 150 ml per 15 kg of product. Add the same amount of water to each container. Do not add any substances other than water.

APPLICATION:

In all cases, prior to installation, it is recommended to prepare a representative test area to assess the final aesthetic effect.

Spread the prepared adhesive across the substrate and work it thoroughly into the surface using a 6 × 6 mm notched trowel. Finally, comb the adhesive perpendicular to the direction in which the panels are to be installed. Initially, position the individual elements approximately 5 mm apart. Then, pressing each panel firmly into the adhesive, slide it towards the previously installed elements to form a butt joint. Remove excess adhesive using a brush or putty knife.

Apply firm, even pressure to each panel using a wallpaper roller, ensuring that the entire panel is in full contact with the substrate and that all air voids are removed. Remove any excess adhesive squeezed out through the joints with a damp sponge before it dries. The time between adhesive application and panel installation must not exceed 10 minutes.

Additional application recommendations:

BOLIX WOOD EFFECT PANEL:

Install the panels horizontally, with their longer edges running from the top down or vice versa. Install the individual elements in a running bond pattern, staggering the vertical joints and forming butt joints.

BOLIX WALL SLATS PANEL LINEO:

Install the panels vertically, with their longer edges running from left to right or vice versa.

BOLIX RIBBED EFFECT PANEL:

Install the panels from left to right or vice versa, making sure that the grooves are oriented vertically.

BOLIX CONCRETE EFFECT PANEL:

The panels may be installed in a running bond pattern, with joints offset by at least 10 cm, or in a grid pattern, with the joints aligned in straight lines.

LIMITATIONS AND RECOMMENDATIONS:

- A detailed hygrothermal analysis is recommended. The analysis must take into account the vapour diffusion properties of the decorative cladding and the risk of interstitial condensation.
- Make sure that the substrate is even and carefully prepared.
- Decorative panels may be installed on fresh cement and cement-lime renders only after a minimum curing period of 4 weeks, and on gypsum plasters after a minimum curing period of 2 weeks.
- Application to insufficiently cured or damp substrates may result in panel detachment, blistering, efflorescence or other defects.
- Do not apply to surfaces exposed to prolonged contact with water, particularly horizontal surfaces, areas where snow may accumulate, or substrates not protected against capillary moisture. This also applies to permanently damp rooms, such as bathrooms, saunas and swimming pool areas.



Masz pytania?

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- Before applying the decorative finish, adequately cover and protect all adjacent elements within the work area that are not intended to be finished.
- Plan the work area taking into account the weather conditions, substrate type and available workforce.
- During application and immediately afterwards, while the adhesive used to fix the decorative panels is drying, protect the surfaces from direct sunlight, precipitation and wind. Use protective scaffolding mesh. Do not install the panels on heated surfaces.
- Low temperature, increased humidity and insufficient air circulation extend the adhesive drying time compared with the period specified in the Technical Data Sheet.
- Make sure that the adhesive does not begin to skin over before the panels are installed, as this may impair adhesion and lead to panel delamination. If skinning occurs, remove the adhesive and apply a fresh layer.

PRECAUTIONS:

Protect eyes and skin. In case of eye contact, flush eyes with plenty of water and seek medical advice.

TOOLS:

- Agitator or low-speed drill (400÷500 rpm) with a basket-type mixing paddle
- 6 × 6 mm notched trowel
- Putty knife
- Sponge
- Wallpaper roller
- Brush

TECHNICAL DATA:

The following technical data are for the temperature of +23 (±2)°C and relative air humidity of 50 (±5)%. Under other conditions, the technical data may vary.

Ambient and surface temperature at application and setting:
from +5°C to +25°C

Relative air humidity at application and setting:
up to 80%

Density:
approx. 1.8 g/cm³

Colour:
White or tinted to match the colour of BOLIX CONCRETE EFFECT PANEL (COLOUR RANGE TO BE SPECIFIED)

Adhesive thickness:
approx. 2 mm

Coefficient of thermal conductivity λ:
≤ 0.67 W/(m·K)

Water vapour diffusion resistance factor μ:
≤ 280

Drying and setting time after decorative panel installation:
min. 24 h

Packaging:
15 kg buckets

No. of containers per pallet and net product weight:

15 kg buckets: 44 / approx. 660 kg

Shelf life:

12 months – expiry date provided on the packaging

NOMINAL COVERAGE:

Average coverage when applied to an even substrate is approx. 2.8 kg/m².

Product coverage depends on the evenness of the substrate and the adhesive layer thickness. To determine the precise coverage, carry out appropriate tests on the substrate.

STORAGE:

Store in intact containers at temperatures between +5°C and +25°C. Protect from water, direct sunlight, overheating and frost. Keep out of reach of children. The manufacturer accepts no liability for physical defects resulting from improper transport conditions or incorrect storage.

COMPOSITION:

Dispersion of organic polymers, water, mineral fillers, pigments, additives and preservatives.

BOLIX guarantees the declared quality of the product but has no control over its intended application or manner of use. BOLIX accepts no responsibility for the work of the Designer or Contractor. All information provided above has been given in good faith and reflects the latest state of knowledge and application techniques. It does not replace the professional expertise of the Designer and Contractor and does not exempt them from observing good building practice and occupational health and safety regulations, or from verifying and complying with local building standards, fire safety regulations and application guidelines applicable in the country of use. The manufacturer accepts no responsibility for any application that does not comply with local legislation. Before purchasing and using the product, verify that the product documentation permits its application in accordance with the applicable regulations.



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