

BOLIX WOOD EFFECT PANEL

Faux Wood Plank

PRODUCT DESCRIPTION:

- decorative element attached to the wall surface to give a wood effect for interior and exterior applications
- perfect imitation of wood grains
- with multitude of offered variants you may create unique façades:
 - 2 types:
 - Standard: 16,7 cm x 200 cm
 - Slim: 8,2 cm x 100 cm and 8,2 cm x 200 cm
 - 5 patterns (standard type) / 10 patterns (slim type)
 - 10 standard colour variants
- easy to install and fit to each other
- high impact strength
- high flexibility
- applied as an alternative to render finishes in ETICS systems and on not insulated substrates

USE:

BOLIX WOOD EFFECT PANEL is a panel made of resin and cement designed to provide a decorative faux wood panel effect to interior and exterior walls of new and existing buildings.

The product can be applied to:

- base coat of External Thermal Insulation and Composite Systems (ETICS) with EPS boards or mineral wool slabs,
- mineral substrates such as: concrete, cement or cement-lime renders.
- fibre cement cladding and cement-bonded particleboards, which are firmly fixed to the substrate or frame,
- plasterboards,
- gypsum plasters,

SUBSTRATE PREPARATION:

Where the finish effect BOLIX WOOD EFFECT PANEL is installed over the insulation made of EPS boards or mineral wool slabs, the valid ETICS Instruction Manual IB/01 EPS (system with EPS boards) or BOLIX IB/02 MW (system with mineral wool slabs) shall be followed, when applying ETICS up to and including reinforced base coat.

The surface must be structurally sound, stable, even, clean of surface contaminants such as dust, grease, bitumen and other barrier materials that may affect adhesion. Remove any loose or friable material, peeling or flaking paint or plaster. Prime porous surfaces with the BOLIX N Primer. Level minor gaps (up to 5mm) and imperfections with a base coat for embedding glass fibre mesh such as BOLIX U or the cementitious joint compound BOLIX SPN (concrete substrate). Level major gaps and imperfections with the mortar BOLIX W and when set, smooth out the entire surface using the above base coat or joint compound.

When attaching decorative panels to gypsum plaster or plasterboards, prime the surface with the primer BOLIX UltraGrunt.

Always prime the surface with BOLIX OP, prior to panel installation.

PRODUCT PREPARATION:

A ready-to-use product.

To reduce waste, plan the layout of the panels across one individual surface prior to panel installation.

Cut the panels using an angle grinder or mitre saw with diamond blade.

After cutting, sand the edges with sanding paper.

APPLICATION:

Attach to the wall using the adhesive KD PANEL. Average adhesive coverage when applied to even surface is approx. 2.8 kg/m². Spread the ready mix adhesive across the surface and work well into the surface using a 6x6 mm notched trowel. Finally, work perpendicular to the direction the panels are attached. The panels should be installed vertically in courses, working from the top down or vice versa. Install the panels in a running bond pattern so that vertical joints are staggered in successive courses, making sure that the panels are butted tightly together and aligned. First, place the panel on the wall with ca. 5 mm gaps, press firmly into the adhesive, slide and push into place to butt joint with the previously installed elements or with a 2 mm gap. The joints must be tightly filled with the adhesive BOLIX KD PANEL to seal and prevent rainwater migration under the panels - make sure that the panel edges are embedded in the adhesive BOLIX KD PANEL. Remove excess adhesive with a brush or scraper, alternatively a slightly damp sponge can be used. Once the panel is in place, apply firm, even pressure to it with your hand and a wallpaper roller to provide good contact. Make sure that the panels are firmly bedded without any air voids or pockets. Clean off the excess adhesive with a damp sponge before it dries out. Time between adhesive application and panel installation must be less than 10 min.

After at least 24 h from installation, prime the surface of the panels with BOLIX T. Once the undercoat has dried (min. 4 h), apply the finish glaze BOLIX DECO lazur. Spread the glaze uniformly using a sponge, rub into the surface of the panel, going with the grain.

Depending on the desired effect, the finish glaze may be applied in two coats. Apply the second coat of BOLIX DECO lazur, when the first is dry. Provides a semi-matte finish.

LIMITATIONS AND RECOMMENDATIONS:

- Make sure that the surface is even and well prepared.
- Prior to adhesive application, allow fresh cement and lime-cement plasters to cure for minimum 3-4 weeks and gypsum plasters for minimum 2 weeks.
- Do not apply to areas subject to prolonged water exposure (and to vertical surfaces in particular), accumulated snow and to areas not damp-proofed against capillary action.
- Before the decorative effect is created, cover or mask all adjacent surfaces on which the panels are not to be installed.
- Plan the surface area taking into consideration weather conditions, surface and workforce.
- During application operation and immediately afterwards, when the adhesive fixing the decorative panel BOLIX WOOD EFFECT PANEL to the surface is drying and after priming and finish glaze application, protect from direct sunlight exposure, precipitation, water ingress, or damp penetration and wind. The panel surface prior to priming, and then painting, must be completely dry. Use scaffolding meshes.
- Low temperature, increased humidity and improper air circulation extend the provided drying time of the adhesive.
- Make sure that skinning of the adhesive has not started before attaching the panels, as this may impair the adhesion and lead to adhesive bond failure/debonding of the panel. If the skinning occurred, remove the adhesive and apply again.
- Do not install panels using the dab method.
- We do not recommend application of dark colours (HBW < 30) to surfaces exposed to sunlight, due to increased absorption of solar

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radiation. For dark colours (HBW<30) the glaze finish BOLIX DECO lazur with 'cool pigments' must be used, in order to reflect some of the sun heat and thus reduce surface temperature on the façade.

- The installation of the decorative effect BOLIX WOOD EFFECT PANEL with grain grooves running vertically or diagonally may lead to formation of water streaks/marks on the façade below the installed panels, due to rainwater and/or condensation water running down the panels. For this reason, always consider the wall surface on which panels will be installed and the intensity of weather impact on the building façade. Such water stains/marks may be concealed, for example, by the dark thin-coat rendering application below the decorative panels. Water marks/stains/damp patches are minimised by, for example, installation of drip trims under the panels. The joints/connection between panels and with other decorative elements or wall sections should always be detailed in the insulation design for the specific project. Contact your representative of BOLIX S.A. to get a sampled joints between panels and junctions with other wall details.
- Installation of the decorative panels involves a local increase in the thickness of the façade in relation to the face of the wall, finished with a thin-coat render. As a result, over time, damp patches, water marks, or soiling may appear at the junction with the wall face, due to dirt built up at the panelling edges, splash water and rainwater running down the surface.
- Prior to panel installation, plan the size of the wall area to which the panels will be fixed. When installing the panels, make sure it is correctly positioned in relation to different wall details (e.g. building corners, window and door reveals and other grooves, offsets, recesses or openings) and the adjacent, previously installed panels, to prevent any discrepancies on the edges of the decorative effect. The position of the panels is corrected by forming a joint between them with a maximum width of up to 2 mm. The joints must be tightly filled with the adhesive BOLIX KD Panel. Constantly check and verify panel position and correct, if necessary due to acceptable dimensional tolerances of the panels, which is specified later in this technical data sheet.
- The manufacturer is not responsible for the consequences of connecting the panels with physically and chemically incompatible materials or with paint coatings not recommended by BOLIX.

PRECAUTIONS:

N/A

TOOLS:

- Scissors or angle grinder
- 6 x 6 mm notched trowel
- Low-speed mixer
- Sponge
- Putty knife

TECHNICAL DATA:

Descriptions included in the TDS and 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 during installation, curing and drying:
from +5°C to +25°C

Relative humidity during installation, curing and drying:
up to 80%

Thickness:
2÷4 mm

Dimensions:
Standard type: 16.7 cm x 200cm
Slim type: 8.2 cm x 100 cm and 8.2 cm x 200 cm

Acceptable deviations from nominal dimensions acc. to EAD 8222013-07

- Thickness: ±1,0 mm
- Width: ±2,0 mm

Length: ±2,0 mm

Colour range:
white

Final colour effect after finish glaze BOLIX DECO lazur (10 colours) application

Packaging:
Standard: 10 pcs. package
Slim: 20 pcs. package

No. of containers per pallet and net weight:
36 packages/ approx. 504 kg

Shelf life:
2 years - date of production provided on the packaging

APPROXIMATE COVERAGE:

standard: approx. 3 decorative panels / 1 m²
slim 8.2 cm x 100 cm: approx. 12.2 decorative panels / 1 m²
slim 8.2 cm x 200 cm: approx. 6.1 decorative panels / 1 m²

STORAGE:

Store in intact original containers in temp. between +5°C and +25°C. Protect from direct sunlight, exposure to water, heat or frost. Store away from the reach of children.

COMPOSITION:

Cement and resin binder, fine mineral fillers, reinforcing microfibres and modifiers.

BOLIX S.A. guarantees product quality but has no control over its application and use. BOLIX takes no responsibility for contractors' and distributors' performance. The information supplied herein is given in good faith based on our current knowledge and latest application methods. The information provided cannot replace designer's and contractor's expertise and does not dismiss anyone from observing good practice and the OHS regulations. Should you have any further queries, carry out the tests or contact BOLIX Customer Technical Support. The publication of this Technical Data Sheet renders older editions invalid.

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