

BOLIX HYDRO



Waterproofing Membrane

abrasive paper and vacuum the sanding dust thoroughly. Prime with BOLIX BETOGRUNT.

PRODUCT PREPARATION:

Immediately prior to application, stir the full packaging thoroughly with an agitator or a low-speed drill and mixer (propeller or jiffy mixer) until a uniform mixture. The product is supplied as a pre-mix, do not admix any additives or other components.

APPLICATION:

At least two coats of the membrane should be applied. Apply the first coat using a brush or a paint roller by brushing firmly into the surface in one operation. Apply the second coat in the opposite direction to the first coat, using a brush, roller or a stainless steel straight edge trowel. Seal expansion joints, wall/floor joints and edges with the flexible sealing tape BOLIX HYDRO-T. Embed the tape in the first fresh coat of BOLIX HYDRO and apply the second coat once the first coat has dried. All junction, where the sealed area meets window/door joinery, must be sealed off with BOLIX HYDRO-TBS, the self-adhesive butyl tape. Drain or pipe outlets should be sealed with sealing collars.

LIMITATIONS AND RECOMMENDATIONS:

- Do not apply to substrates, which are not damp-proofed against capillary absorption.
- Before application, cover or mask surfaces that are not to be used in the installation.
- Plan the surface area to be waterproofed taking into consideration temperature and humidity conditions, surface type and workforce.
- To avoid lapping and continuity of waterproofing, the material should be applied wet-on-wet and without interruptions.
- Expansion joints in the substrate should be continued to the surface.
- Low temperature, increased humidity and improper air circulation extend the drying and setting time of the waterproofing.
- Protect the waterproof coating from too rapid drying and direct sunlight exposure, draught, low temperatures, precipitation etc.
- Ensure proper ventilation during and after product application until characteristic odour disappears. After this time the room is suitable for use.
- Once the job is completed tightly seal the container and use the remnant BOLIX HYDRO shortly.
- Clean tools and hands with running water immediately after use. After drying difficulties with cleaning may be experienced.
- Wipe new stains off soiled surfaces with damp cloth. Hard adhesive stains may be removed only mechanically.
- The membrane is not suitable for swimming pool application and conditions of permanent immersion or in areas exposed to chemicals.
- Take care not to damage the applied waterproof coating during tiling over.

PRECAUTIONS:

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

PRODUCT DESCRIPTION:

- super flexible, jointless and seamless
- water repellent
- no solvent content
- suitable for underfloor heating
- crack filling properties

USE:

BOLIX HYDRO is formulated to provide seamless flexible waterproofing under ceramic and stone coverings. Suitable for locations exposed to intermittently damp conditions (such as kitchens, bathrooms, showers, utility rooms). For exterior applications: terraces, balconies, façades (BOLIX HYDRO DUO is recommended). As a waterproofing membrane coating over porous substrates such as concrete, cement and anhydrite screeds (including heating screeds), clay brick masonry with full head and bed joints, cement and lime-cement renders, plasterboards, gypsum renders and engineered wood plank.

SUBSTRATE PREPARATION:

The surface must be structurally sound, even, clean of substances which can cause separation such as dust, grease, bitumen and other barrier materials. New substrates should be fully cured:

- | | |
|--|------------------------------|
| - BOLIX SPN repair compound | min. 14 days |
| - BOLIX PC-B or BOLIX PC-S screed | min. 14 days |
| - BOLIX PC screed | min. 28 days |
| - anhydrite screeds | humidity ≤ 0,5% |
| - gypsum substrates | humidity ≤ 1,0% |
| - concrete, lightweight concrete | min. 3 months, humidity < 4% |
| - cement levellers, cement and lime-cement renders | min. 28 days, humidity < 4% |

Remove limewash or colour wash. Level minor gaps and imperfections with an adhesive for embedding glass fibre mesh such as BOLIX U or the cementitious smoothing compound BOLIX SPN (concrete substrate). Larger gaps and imperfections fill with the mortar BOLIX W. On floors apply the BOLIX SN 20 self-leveller.

Prime porous surfaces with the BOLIX N Primer. Sand any gypsum or anhydrite surfaces with coarse sandpaper, remove dust thoroughly and prime with BOLIX N. Sand smooth and non-porous concrete substrates, terrazzo, engineered wood plank or firm paint coats with coarse



Masz pytania?

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BOLIX®

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TOOLS:

- Agitator or low-speed drill (400÷500 rpm) with jiffy mixer
- Stainless steel trowel, paint brush or roller

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 humidity at application and setting:
up to 80%

Density:
approx. 1.30 g/cm³

Colour:
grey

Drying time of one coat:
min. 6h

Drying time of the last coat preceding tiling:
min. 24h

Minimum coat thickness after drying:
1.5 mm

Watertightness according to PN-EN 14891:2012
Watertight

Adhesion to concrete:
≥ 0,5 MPa

Crack bridging under normal conditions according to PN-EN 14891:2012 with a coating thickness of 1.5 mm
≤ 6 mm

Fatigue resistance:
No cracks on tested areas and other failures over the entire surface of the sample that may adversely affect waterproof resistance of the coating

Temperature resistance:
-30°C ÷ +50°C

Packaging:
buckets: 4, 7kg and 14kg.

No. of containers per pallet and net weight:
4 kg: 88 buckets / approx. 352 kg
7 kg: 80 buckets / approx. 560 kg
14 kg: 44 buckets / approx. 616 kg

Shelf life:
12 months from the date of production provided on the packaging

NOMINAL COVERAGE:

2.0 - 2.4 kg/m² for minimum waterproofing membrane thickness.
Coverage will vary with the porosity, roughness of the substrates and thickness of the membrane. To determine precise coverage, perform a test patch on the surface.

STORAGE:

Store in intact containers in temp. between +5°C and +25°C. Protect from direct sunlight and frost. Store away from the reach of children.

COMPOSITION:

Synthetic resin dispersion, fillers 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 necessary tests or contact BOLIX Customer Technical Support. The publication of this Technical Data Sheet renders older editions invalid.



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