



HYTEC P510 RENORAPID

1K PU PRIMER & MOISTURE VAPOUR SUPPRESANT FOR ALL TYPES OF ABSORBENT AND NON-ABSORBENT SUBFLOORS

TECHNICAL SHEET NO: TDS02162 21/3/24

SMART ADVANTAGES

- Ready to use
- High adhesive strength primer
- Moisture barrier up to 95%RH when second coat applied

DESCRIPTION

Bostik HYTEC P510 RENORAPID is a one component primer for absorbent and non-absorbent substrates. It is suitable for use on concrete floors, sand/cement, calcium sulphate, stone and wood.

It can be used for the consolidation of weak screed surfaces. It is also suitable for suppressing residual construction moisture up to a maximum of 95%RH on unheated cementitious screeds and 85%RH on heated cementitious screeds.

It can provide moisture protection on unheated calcium sulphate screeds up to 87%RH. However, it is not suitable for use on heated calcium sulphate screeds. Bostik HYTEC P510 RENORAPID can be used as a barrier primer for calcium sulphate screeds that contain lignite. Please contact technical services for more information.



TECHNICAL CHARACTERISTICS

Colour	Red/brown
Form	Liquid
Specific gravity	1.2
Composition	Polyurethane
Application temperature	+15°C to +27°C
Working times	Up to 20 minutes after mixing (depending on ambient temperature and humidity)
Drying times	Foot traffic: approx. 1 to 2 hours Floor installation: approx. 1 to 2 hours (depending on application thickness, ambient temperature and humidity)
VOC emissions	Very low emissions EC1

COVERAGE

- As a primer approx. 150g/m²
- As moisture barrier approx. 250 to 300g per m² (2 coats), which is 44m² per 11kg unit.
(depending on the smoothness and absorbency of the floor surface)

APPLICATION

IMPORTANT: Before using Bostik HYTEC P510 RENORAPID, refer to the relevant Health & Safety Data Sheet, available at www.bostik.com/uk.

All phases of the application should comply with the current editions of:

- BS 8102 Code of practice for protection of below ground structures against water ingress.
- BS 5325 Code of practice for installation of textile floor coverings.
- BS 8203 Code of practice for installation of resilient floor coverings.
- BS 8201 Code of practice for installation of flooring of wood and wood-based panels.

Ensure the correct PPE is worn during use.

PREPARATION

- Ensure the subfloor is clean, sound and dry (<75%RH), of adequate tensile & compressive strength, free from laitance, cracks, structural defects and contaminants that may prevent adhesion (e.g., dust, oil, grease, paint, plaster, polish, some curing compounds, surface hardeners, additives and adhesive residues must be completely removed), and conforms to BS 8204 code of practice.
- The temperature of the floor and air must be stable and maintained between +15°C and +27°C throughout the application and drying of the underlayment.
- When using Bostik HYTEC P510 RENORAPID as a primer for calcium sulphate screeds, these must be mechanically prepared and thoroughly vacuumed. Observe the instructions of the screed manufacturer.

UNDERFLOOR HEATING

- Bostik HYTEC P510 RENORAPID can be used on cementitious substrates containing warm water underfloor heating systems. The system must be switched off 48 hours prior to, during and for 48 hours post application. To prevent rapid dehydration, wait 48 hours after installation before gradually turning up underfloor heating.

APPLICATION

- Decant Bostik HYTEC P510 RENORAPID into a paint roller tray and apply with a short pile roller.

Primer:

- Apply an even and thin coat of Bostik HYTEC P510 RENORAPID to the substrate. Ensure puddles do not form.
- Whilst still wet, scatter onto the surface fine grade, kiln dried sand (such as paving sand). Large grain sand above 0.4mm should not be used.
- Allow the Bostik HYTEC P510 RENORAPID to dry for approx. 2 hours before progressing.
- Excess sand can be harvested for re-use.
- Remove all sand by use of industrial vacuum.
- Alternatively, allow the Bostik HYTEC P510 RENORAPID to fully dry and then immediately apply Bostik GRIP A936 XPRESS and allow to fully dry.

Moisture barrier:

- Two coats of Bostik HYTEC P510 RENORAPID are required.

- The first coat should be applied using a short pile roller. Ensure a thin, even film is achieved, with no puddling.
- The second coat must only be applied once the first coat is fully dry (1 to 2 hours).
- Apply the second coat with a short pile roller.
- Once the second coat is dry, the surface must be primed with Bostik GRIP A936 XPRESS. Alternatively, once the second coat is applied and still wet, scatter onto the surface fine grade, kiln dried sand (such as paving sand). Large grain sand above 0.4mm should not be used.
- A minimum of 250 to 300g per m² must be applied to provide adequate moisture protection.
- If applying to a very porous substrate, it is likely that a third coat is required.

Calcium sulphate-based screeds:

- Bostik HYTEC P510 RENORAPID can provide moisture protection on unheated screeds up to 87%RH when applied as a two-coat application.
- Bostik HYTEC P510 RENORAPID is not recommended for use on calcium sulphate screeds with underfloor heating.
- Bostik HYTEC P510 RENORAPID can be used as a barrier primer in situations where lignite is present within the calcium sulphate screed. One coat of Bostik HYTEC P510 RENORAPID is applied and then once dry, a coat of Bostik GRIP A936 XPRESS is applied.
- After drying, parquet can be bonded within 24 hours without sanding, using a Bostik SMP or PU adhesive.

CLEANING

- Clean tools and equipment with warm, soapy water immediately after use. Dried and hardened material can only be removed mechanically.

STORAGE

- Store and transport securely. Store for up to 9 months from date of manufacture in original, unopened packaging, clear of the ground, in cool, dry conditions within the temperature range +5°C to +25°C and out of direct sunlight. Protect from excessive drafts, frost, damp, condensation and dew.

PRECAUTIONS IN USE

For any application not covered, please contact Technical Services on +44 (0)1785 272625 or visit www.bostik.com/uk for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data sheet for Bostik HYTEC P510 RENORAPID, available at www.bostik.com/uk.

PACKAGING

Product codes	30615816	11kg polyjerry
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