

HYTEC P510 RENORAPID

1-COMPONENT FAST CURING PU PRIMER

KEY BENEFITS

- **Ready to use**
- **Fast curing**
- **Screeds surface hardening**
- **Residual moisture barrier up to 4,5% CM / 90% RH**



APPLICATIONS

DESTINATION

HYTEC P510 RENORAPID is a rapid curing, ready-to-use polyurethane primer. It could be use as:

- **Surface hardener** over weak screed surfaces
- **Bonding agent** prior to parquet installation with MS or PU adhesive.
- **Residual moisture suppressor** up to 4,5%CM/90%RH on unheated and 3%CM/80%RH on heated cementitious screeds. It can provide moisture protection on unheated calcium sulphate screeds up to 85%RH. However, it is not suitable for use on heated calcium sulphate screeds.

HYTEC P510 RENORAPID can be used as a barrier primer for calcium sulphate screeds that contain lignite. Please contact technical services for more information.

Areas of application :

- Concrete
- Calcium sulphate or cement screeds
- Magnesia and xylolite screeds
- Mastic asphalt screeds
- Ceramic tiles, terrazzo or natural stones
- Wooden boards
- Metallic substrates
- Compatible with underfloor heating system

PRODUCT CHARACTERISTICS

Composition / color	Polyurethane brownish
Application temperature	Substrate temperature at least +15°C Air temperature +15°C to 25°C Air humidity not above 75 % RH
Walking time*	1-2 hours
Curing time* Floor installation	Approx. 1-2 hours
Coverage	<u>As primer:</u> approx. 150 g/m ² <u>As residual moisture barrier:</u> approx. 300 g/m ² (2 coats of 150g/m ²)

- these times are determined at + 23°C and 50% relative humidity on normally absorbent substrates

SUBFLOOR PREPARATION

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The substrate must be sound, dry, free from materials (dirt, oil, grease) that would impair adhesion. Any adhesion-reducing or unstable layers, e.g. release agents, loose adhesives, compounds, or paint residues, etc. must be removed, e.g. by brushing, abrading, grinding or shot-blasting. Thoroughly vacuum loose material and dust. Dense, smooth and metallic substrates have to be degreased and grinded.

When using **HYTEC P510 RENORAPID** as a primer for calcium sulphate screeds, these must be mechanically pre-treated and thoroughly vacuumed. Observe the instructions of the screed manufacturer.

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.

UNDERFLOOR HEATING

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.

METHOD OF USE

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

Primer:

Apply an even and thin coat of **HYTEC P510 RENORAPID** to the substrate. Ensure puddles do not form. Whilst still wet, broadcast onto the surface fine grade, dried quartz sand as **QUARZSAND 0,1-0,5 mm**. Large grain sand above 0.5mm should not be used. Allow **HYTEC P510 RENORAPID** to dry for approx. 2 hours before progressing. After curing, remove all sand by using a broom and an industrial vacuum. Excess sand can be harvested for re-use.

Alternatively, allow **HYTEC P510 RENORAPID** to fully dry and then immediately apply **GRIP A936 XPRESS** over it and allow to fully dry prior to levelling compound application.

MS or PU parquet adhesives can be applied directly over **HYTEC P510 RENORAPID** after curing **within 24 hours**.

Residual moisture barrier :

Two coats of **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) **within 6 hours**.

Apply the second coat with a short pile roller.

Once the second coat is dry, the surface must be primed with **GRIP A936 XPRESS**. Alternatively, once the second coat is applied and still wet, broadcast onto the surface fine grade, dried quartz sand as **QUARZSAND 0,1-0,5 mm**. Large grain sand above 0.5mm should not be used.

A minimum of 300g per m² (2 x 150g/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:

HYTEC P510 RENORAPID can provide moisture protection on unheated screeds up to 85%RH when applied as a two-coat application.

HYTEC P510 RENORAPID is not recommended for use on calcium sulphate screeds with underfloor heating.

HYTEC P510 RENORAPID can be used as a barrier primer in situations where lignite is present within the calcium sulphate screed. One coat of **HYTEC P510 RENORAPID** is applied and then once dry, a coat of **GRIP A936 XPRESS** is applied.

CLEANING

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

COVERAGE

As primer: approx. 150 g/m²

As a residual moisture barrier: approx. 300 g/m²
(2 coats of 150 g/m²)

STORAGE STABILITY

Store for up to 9 months from date of manufacture written on the can, unopened packaging, 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.

OCCUPATIONAL SAFETY AND ENVIRONMENTAL PROTECTION

Keep out of reach of children. Ensure thorough ventilation during and after processing/drying! Avoid eating, drinking and smoking while processing the product. In case of contact with eyes or skin, rinse immediately with plenty of water. Do not allow to enter drains, water or soil. Please observe the hazard warnings and safety instructions.

PRODUCT INFORMATION

Code	Art.	Palet	GENCOD
30615816	HYTEC P510 RENORAPID 11 kg	40	4008373130788

Additional product informtaions

Code	Art.	Palet	GENCOD
30121690	QUARZSAND 0,1-0,5 mm 25 kg	48	4008373117314
30622913	GRIP A936 XPRESS 12 kg	30	4008373138265

SAFETY

For more details, consult the safety data sheet on <https://bostiksd.thevercs.com/default.aspx>

The information given and recommendations made herein are based on Bostik's research only and are not guaranteed to be accurate. The performance of the product, its shelf life, and application characteristics will depend on many variables, including the kind of materials to which the product will be applied, the environment in which the product is stored or applied, and the equipment used for application. Any change in any of these variables can affect the product's performance. It is the buyer's obligation, prior to using the product, to test the suitability of the product for an intended use under the conditions that will exist at the time of the intended use. Bostik does not warrant the product's suitability for any particular application. The product is sold pursuant to Bostik's Terms and Conditions of Sale that accompanies the product at the time of sale. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the pat

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