



AT A GLANCE

PU Silicate Sealer

Water Vapor Permeable

High abrasion resistance

Indoor and outdoor use

Environmental Friendly

Excellent stain protection

Natural Look

Chemical and acid resistance

Description

ProPU 130 is an innovative water based PU Silicate sealer. The PU silicate sealer combine the sealer efficiency of an elastic membrane with the abrasion resistance of the silicates, providing a high performance good seal and natural appearance.

Features and areas of application

- Environmental friendly
- VOC and APEO free
- Water Vapor Permeable
- Protects against liquids and dirt
- Close pores and seal the substrate
- Increases the strength of porous substrates
- Increase abrasion resistance
- Increase the chemical and acid resistance of the substrate
- protection against salt water and aggressive chemicals
- Can be applied on all mineral substrates with open pores

Technical properties & characteristics

Basis: Water based sealer dispersion with hardener

Mixing ratio: 2 : 5 : 5 Hardener : Polymer : Water

Pot life: 60 minutes

Color; Milky white

Application temperature: min. +10 °C to max. +35 °C

Maximum permitted air humidity : 95 % rel. H.

Apply 2 coatings with 15 - 45 min between coats

Load-ability (20°C)

Walkable: 12h

Light load : 2 days

Full load: 7 days

Consumption (ready-to-use mixture included water) approx.

100 - 150 g/m² depending on substrate conditions and porosity.

Consumption concentrate without water: 50-75 gr/m².





Substrate Preparation & Application

Substrate preparation

The surfaces must be clean, dry and free from dirt, wax, grease, glue and other contaminants that can affect penetration and adhesion. The surface has to be absorbent and free from chalk. Loose particles must be removed before the application. Coatings and/or render should be stripped off. The floor should be grinded or sanded and vacuumed with a powerful vacuum cleaner

Application

Step by step guide:

1. Component A is diluted with water 1:1 (one part ProPU 130 A to one part water). Stir well.
2. The hardener component is added.
3. Two parts hardener are added to 10 parts ProPU 130 dilution. The hardener has to be added while stirring. Keep on mixing for 3 minutes. For better mixing use a dissolver disc. To avoid mixing problems transfer the material to a new container after the first step and mix once again.

On highly absorbent substrates the first layer of ProPU 130 A can be added two parts of water (1:2). In that case 2 parts of Hardener is added to 15 parts ProPU 130 A dilution. 2:15 hardener: ProPU 130 A dilution.

Then ProPU 130 is applied striation free with a short fiber paint roller or by spray application. For the application with new paint rollers all loose fibers have to be removed. You can use it on a piece of carton or wash it in water to get the loose fibers off, before using it.

Use 2 rollers on the application: one person extend the product with a wet roller to apply the product. Another person go straight after with a dry roller to remove any excess materials, and provide a homogeneous application.

In case of spray application follow after with a roller to distribute the material. After approximately 15 to 45 minutes the next layer of ProPU 130 can be applied. The exact drying times depend on the substrate and ambient conditions like temperature and relative humidity.

Additional layers may be needed. On highly absorbent substrates or heavy traffic areas up to 4 layers. We recommend the use of shoe covers to avoid any type of pollution of previously applied surfaces. Existing footprints are difficult to remove and affect the optimal appearance of the coating. Avoid water on the floor during the first week after application. Thereafter, the surface is resistant to permanent water load, beverages, oil and fats. Scratches in the surface caused by mechanical abrasion can be repaired with a new layer of sealer.





Special precautions

We recommend to do a test application on a sample area. All substrates have different absorbency. All tools should be cleaned between applications. After exceeding the pot life the consistency and the characteristics of the material may change. Therefore any unused material has to be disposed.

Tools and cleaning

All equipment like brushes, paint roller or sprayers can be washed with clean water. They should be dry before application.

Maintenance

Clean with PH neutral cleaning agent. For reapplication. Sand the floor and apply a new coat of ProPU 130.

Production, packaging, storage, safety and validity

7 kg combined container which includes 5 kg of component A (polymer) and 2 kg of component B (hardener). Original packing is storable for 9 months in dry and controlled temperate areas (not below 0°C, recommended 10 - 25 °C). Reseal opened containers immediately and use within a very short time.

Safety and health

Use adequate PPE: waterproof gloves boots and goggles.
Avoid contact with skin and eyes; prolonged contact may cause skin irritation.
Do not drink, eat or smoke while handling the product.
Non-inflammable and non-explosive product.
See the complete product MSDS.

LIMITED WARRANTY

Etonsurfaces Inc. warrants its materials to be of good quality and, at its option, will replace or refund the purchase price of any material proven to be defective within one (1) year from date of purchase. The above remedies shall be the limit of Etonsurfaces Inc.'s responsibility. Except for the foregoing, all warranties expressed or implied, including merchantability and fitness for a particular purpose, are excluded. Etonsurfaces Inc. shall not be liable for any consequential, incidental, or special damages arising directly or indirectly from the use of the materials.