

SIBAQUAPOX

Waterbased Epoxy Primer

JUNE 2019

AT A GLANCE

Manufacturer

SIB, Sociedade Industrial
De Britagem De Pedra, LDA

Epoxy Primer

Moisture Tollerant

Strong Bonding

Indoor and outdoor use

High Adhesion

Versatile

Odorless

Chemical and acid resistance



DESCRIPTION:

Sib Aquapox is a two component water based and solvent free epoxy primer. It is quick and easy to apply with a roller and binds on most substrates.

Product Information:

Odorless.

Very good adhesion to non-porous mineral substrates.

Create water / humidity barrier

Tools can be cleaned with water.

Accepts some moisture in the substrate.

It is used as a primer for industrial flooring on:

Concrete, Cement mortars, Gybsum boards, Epoxy cement, etc.

Aquapox is recommended as a primer, but is not recommended as a topcoat.

Technical Specifications:

SIB AQUAPOX is two component and consists of SIB AQUAPOX Base & SIB AQUAPOX Catalyst

In liquid form (before application, after mixing):

Component A – Whitish : Component B catalyst – transparent.

(When mixed the mixture becomes white but, when fully cured, membrane is transparent again.)

Component A - Base

DENSITY 1,00 - 1,05 gr./cc.

COLOR Whitish (Over time tends to acquire a bluish hue, without affecting their properties)

Component B - Catalyst

PHYSICAL STATE: Liquid

COLOR: Colorless/transparent

ODOR: Slight

FLASH POINT: 121 oC PMCC (ASTM D93)

DENSITY: 1,14 – 1,15 gr./cc at 25 °C (ASTM D4052)

VISCOSITY: 500 – 700 mPas at 25 °C

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Substrate Preparation & Application

Specifications when mixed:

MIX OF SIB AQUAPOX BASE & CATALYST DENSITY: approx. 1,05 gr./cc
SOLID CONTENT: approx. 42 % wt

Cured Product:

APPEARANCE: Bright

COLOR: Colorless

Once cured the product form a strong water barrier with excellent adhesion.

Mixing Rate

3 parts of Aquapox Primer -Base- (code 206) for 1 part of Aquapox Primer Catalyst (code 206 CATA).

Mixing

Add Aquapox Primer Catalyst (code 206CATA) to the base and mix with a low speed mixer
Mix the two components well. Add water 10- 25 %. Stir manually or using a low speed (300 rpm) mixer.

IMPORTANT: DO NOT ADD WATER TO THE MIX THEREAFTER.

If the mixture change and viscosity increases, pot life has expired and the mix should no longer be used.

Pot life

Approximately 45 minuts, depending on work conditions.

Application

Pour the mixed resin out on the floor and extend with a rubber rake. Right after pass over the floor with a short haired roller and extend the material evenly.

As a primer for SIBLAND mortars and overlays the finished coat of resin is normally seeded with aggregates, while the resin is fresh.

When recoat is needed, recoat time cannot be determined in terms of hours since it is highly dependent on temperature and moist conditions. It can be as low as few hours during summer and as high as 24 hours in cold conditions.

Use the following rule of thumb to determine when recoating should take place. Recoat once the colour on the current coat goes from milky white to transparent. Also, check that the current coat has hardened to the degree where it can no longer be punctured by finger nail.

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Consumption:

200-400 gr/m2 depending on the substrate conditions and absorbancy.

Application temperature and relative humidity

Do not apply if temperature is under 10 °C. Recommended temperature between 10° C to 30 ° C.

Relative humidity should not be over 70 %.

Drying

Depends on temperature. Under normal conditions (20°C) floors will be ready for screed next day

TOOLS AND CLEANING

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

PRODUCTION, PACKAGING, STORAGE, SAFETY AND VALIDITY

Aquapox kit 12 kg : 9kg A / Catalyst: 3kg

Aquapox kit 4 kg: 3kg / Catalyst: 1kg

Can be kept for 12 months minimum in the original unopened container in a dry place and at temperatures of 5-25° C. Do not expose to direct sunlight. Once opened, use as soon as possible.

Safety and Health:

Epoxy resins can affect the eyes, skin and mucous membranes. You need to use rubber gloves, mask and goggles during application. See Material Safety Data Sheets and make sure that safety rules are respected. Be carefull in enclosed or poorly ventilated areas.

In case of contact with eyes, skin or mucosamembranes , wash immediately with clean water and seek medical care.

Components in liquid state are pollutants and therefore should not be poured into drains, watercourses, or on the ground. For more information, request the Material Safety Data Sheet.

LIMITED WARRANTY:

SIB, Sociedade Industrial De Britagem De Pedra, LDA 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 SIB's responsibility. Except for the foregoing, all warranties expressed or implied, including merchantability and fitness for a particular purpose, are excluded. SIB shall not be liable for any consequential, incidental, or special damages arising directly or indirectly from the use of the materials.