

Product description:

ALSAN 601 Humidity Primer is a 2-component, water-based epoxy resin used on moist supports.



Application areas

ALSAN 601 Humidity Primer is used for waterproofing projects involving a polyurethane sealing. ALSAN 601 Humidity Primer is applied in roof and wall refurbishments, waterproofing treatment of tanks and other water management facilities and floorings in moisture-affected environments.

Properties

- blocks moisture
- minimizes adhesion failures
- avoids blistering and air bubbles due to water pressure from below
- compatible with moist substrates

Conditions for application

Substrate temperature: min. +15 °C up to max +40 °C.
Water pressure from phreatic origin: $\leq 1,5 \text{ N/mm}^2$.

Implementation

Substrate preparation:

The substrate must be prepared to be even, regular, levelled, solid, sable, clean and free from adhesion reducing substances (pull off test $\geq 1,4 \text{ N/mm}^2$).

Cracks and fissures need to be repaired previously.¹

Mixing:

Mix thoroughly component A and B using a low-speed stirrer until a homogenise consistency is achieved. The mixture turns to a whitish, milky dispersion.

Application:

Apply by brush or roller.

On very absorbent substrates, dilution with 10 to 20 % water is allowed. On hot surfaces (e.g. recently exposed to sun), moist the surface before starting the application.

After application, the milky layer should turn to a colourless film in a one to two hours period, depending on temperature, humidity and thickness.

Do not exceed the recommended quantities. Application in excess can lead to resin retraction upon water evaporation. If white spots appear after curing, they must be removed and retreated.

A second layer may be applied within 24 hours and as soon as the first layer is dry to the touch.

Cleaning:

Component A can be cleaned using ALSAN 601 Cleaner. Component B and the unreacted AB mixture can be cleaned with water.

Consumption

200 - 500 g/m²

Reaction times (500g/m²)

Dry to touch:

conditions	time
25 °C / 5 % rh	6 h
35 °C / 20 % rh	2 h

Higher temperatures and lower air humidity will increase the reaction speed (decreasing reaction times); lower temperatures and higher air humidity will have the opposite effect.

Technical characteristics (Mixture)

Density (23 °C): 1,07 g/cm³

Viscosity (23 °C): 1300 mPa.s

Pot life (25 °C): $\pm 45 \text{ min}$

Shore D hardness: 64

Max. elongation: 3,2 %

Tensile strength (EN-ISO 527-3): 39 MPa

Tear resistance: 7,2 N/mm

Adhesion strength (concrete): $\geq 4,9 \text{ mPa}$

Packing

(A+B): 5 (1,4 + 3,6) / 18 (5,2 + 12,8) kg metal container

Storage, transport & shelf life

In its original unopened package stored in a cool, dry and frost-free place at a temperature between +10 °C and +30 °C, the unmixed product has a minimum shelf life of 12 months.

Component A may crystallize if stored under certain conditions. If this occurs, it can be restored to its original condition by heating it to +70 to +80 °C and stirring it thoroughly.

Once opened, the containers have a limited shelf life and may gel prematurely. The product must not be applied once it has started to gel.

Safety information and risks

Refer to the relevant safety data sheet for more information. Pay attention to the personal protective equipment. This product is to be used only by industrial or professional users. It is not suitable for DIY-type uses.

Elimination

Cured material may be disposed of as construction waste. Containers and uncured material must be disposed of as a hazardous waste.

Manufactures/company

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Belgium

¹ See "Installation guidelines: Surface preparation".

General information

The information in this document is applicable to the corresponding product, provided by Soprema.

Please note that this may vary from country to country.

The above information, in particular the product application information, is based under normal circumstances and is provided to the best of our knowledge.

The wide variety of requirements and conditions on site requires that the product must be tested by the user under the specific conditions to ensure that it is suitable for the intended use.

We reserve the right to make changes that reflect the technological progress and improvements to our products.

