BUILDING TRUST

PRODUCT DATA SHEET

Sikalastic® Primer Uni EPOXY SF

Water-based, low-solvent epoxy resin mixture

DESCRIPTION

Sikalastic® Primer Uni EPOXY SF is a low-solvent epoxy resin mixture as a primer for the Sikalastic®-641 liquid applied membrane system.

USES

Sikalastic® Primer Uni EPOXY SF is suitable for a wide variety of surfaces.

Use cases:
- Scratch coating
- Primer

FEATURES

- Easy to use
- Water-based
- Excellent wetting properties
- Odorless
- Low-solvent
- EMICODE EC1PLUS: very low emissions

PRODUCT INFORMATION

Packaging	10 x 600 ml squeeze bag 4.54 kg (component A+B)	in plastic bucket double-walled bucket
Shelf life	When stored properly, the product has a shelf life of 12 months from the date of manufacture. The expiration date is printed on the product.	
Storage conditions	Store in the original, unopened, and undamaged container, protected from sunlight and moisture.	

APPLICATION INFORMATION

Mixing ratio	**A : B = 1 : 0.6** (Accurate mixing ratio thanks to squeeze bags and dual containers)	
Consumption	**surface** highly absorbent absorbent non absorbent incl. quartz sand 0.3-0.8 mm fresh bedding, grain by grain	**consumption** approx. 350* ml/m² approx. 250* ml/m² approx. 150* ml/m² approx. 1 bis 1.5* kg/m²
	* Coverage rates are approximate and not guaranteed. Actual coverage rates depend on temperature, substrate conditions, porosity, and application technique.	
Ambient air temperature	+5 °C min. to +40 °C max.	
Relative air humidity	< 80 %	

Dew point	During application and curing, the substrate temperature must be at least 3 K above the dew point. Avoid condensation.
Substrate temperature	+5 °C min. to +40 °C max. At least 3°C above the dew point.
Pot Life	Approx. 8 hours Thickened primer must no longer be used.
Drying time	min. 45 minutes (+23 °C / 50 % r. h.) max. 8 hours (without quartz sand) Becomes transparent after sufficient curing. Important: The curing rate depends on the temperature and relative humidity. Higher temperatures and lower humidity accelerate the curing rate.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

Primers are merely adhesion promoters. They are not a substitute for proper cleaning and preparation of the substrate. Primers improve long-term adhesion.
Protect Sikalastic® Primer Uni EPOXY SF from freezing. Do not use primer that has frozen and thawed. Do not dilute Sikalastic® Primer Uni EPOXY SF.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Substrates must always be properly prepared; see the recommendations in the primer table of the Sikalastic®-641 installation instructions.

MIXING

Sikalastic® Primer Uni EPOXY SF is supplied in 600-ml squeeze bags (A+B) and 4.54-kg double-walled buckets.
Please note the following points when mixing the pouches (A+B).

1. Thoroughly knead the contents of chambers A and B in the mixing bag. Remove the rubber cord separating the two components by pulling it out. Mix components A and B together.
2. Pour Sikalastic® Primer Uni EPOXY SF (the mixed A+B component) into a container. Make sure that as little material as possible remains in the bag. If necessary, empty the bag completely by rolling it up.
3. Stir Sikalastic® Primer Uni EPOXY SF thoroughly and evenly with a wooden spoon for at least two minutes until a smooth, white mixture forms. Be sure to scrape the bottom and sides of the container as well.

The following points should be noted when mixing the double containers.

1. Stir component A using an electric mixer (approx. 300 rpm).
2. Then pour all of component B into component A and mix thoroughly with an electric mixer until a homogeneous, white mixture is formed.
3. The mixing time is at least three minutes. Pour the mixed material into a clean container (transfer) and mix again for at least one minute. The bottom and sides of the container must also be thoroughly mixed.

One bag Sikalastic® Primer Uni EPOXY SF corresponds to one mixing unit and must be mixed completely. Mixing partial quantities is not permitted. The correct mixing ratio for Sikalastic® Primer Uni EPOXY SF is ensured by the two-chamber mixing bag.
To avoid mixing errors, only whole bags and double-chamber buckets may be mixed. Opened bags/double-chamber buckets must be mixed immediately.

APPLICATION

During application and curing, the surface temperature must be at least 3 K above the dew point temperature. Protect against condensation and moisture penetration from the back.
The air temperature and substrate temperature must be between +5 °C and +35 °C.
Apply Sikalastic® Primer Uni EPOXY SF using a clean brush or roller suitable for epoxy resin, working in a crisscross pattern until the substrate is completely saturated. While the primer is still wet, sand it grain-to-grain with fire-dried quartz sand (0.3–0.8 mm).
Once fully cured, remove any excess quartz sand if necessary.
For highly absorbent substrates, such as aerated concrete or sandstone, the process may need to be repeated several times. If multiple priming passes are planned, sanding should be performed wet-on-wet, grain-to-grain, only during the final pass.
Do not allow more than 24 hours to elapse between individual steps.
When applying a scratch coat horizontally, the mixing ratio of primer to fire-dried quartz sand (grain size 0.1–0.3 mm) is 1:3 to 1:6.
Coverage depends on the surface texture and the specific application.
Alternatively, the primer and scratch coat can be applied wet-on-wet, eliminating the need to sand the primer.
When applying scratch coat in a vertical application, the mixing ratio of primer to fire-dried quartz sand (grain size 0.1–0.3 mm) is 1:3; additionally, mix in a maximum of 5% Sika Thickener T.
To protect the Sikalastic®-641 waterproofing membrane from alkaline substances or to serve as a bonding bridge for integration with the Sikalastic® Rapid 722 system (PMMA), a layer of Sikalastic® Primer Uni EPOXY SF mixed with fire-dried quartz sand (0.3–0.8 mm) is applied to the fully cured waterproofing membrane using a wet-on-wet, grain-to-grain sanding technique.

CLEANING OF EQUIPMENT

Clean tools with water immediately after use. Fully cured material can only be removed mechanically.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product’s suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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