

Processing Hints

BarySkin®

General references

BarySkin® is a two-component material on PU basis.

BarySkin® is a solvent-free plastic and contains no volatile components.

BarySkin® is applicable for the following intended purposes:

- As corrosion protection generally.
- As anti-drumming and sealing material.
- As metal bonding agents and acoustically effective intermediate layer in sandwich arrangements (4:1:1).
- As adhesive and sealing mass for our heavy layer mats.

BarySkin® is applied on the carefully cleaned, degreased and completely dry underground in the caper, squirting or putty procedure. Although the material clings perfectly on the usual primers, we recommend to make a detention sample with primed sheet metals first. A direct coating on freshly sand-radiated surfaces (Sa 2½ - SIS standard) is possible and recommendable. During the processing of BarySkin® humidity in the hardening phase is to be excluded.

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BarySkin® component A must be well stirred up before use and be mixed intensively in the given relationship with component B directly before application. Unstirred material does not harden out. Take care of edge zones in the agitating pot, possibly repot the material after the agitating procedure and after-agitate. After mixing the two components the mass must exhibit a uniform colour. The supplied bundles are to each other filled up in the correct relationship. It is advisable to keep the mixed amounts relatively small during hand processing as the pot life (working time) is limited to approx. 30 minutes, thereafter the material can not be processed longer (it becomes then always tough).

As **surface material** (V60, V61 white special) BarySkin® is applied in approx. 0.3 mm thickness (corrosion protection). Consumption is approx. 1.25 to 1.90 kg/mm/m² depending upon sort. Surfaces, which were coated/treated with BarySkin®, can be already worked on after 6 hours. The final hardening process takes about 24 hours at a temperature from over + 15 °C.

As **anti-drumming and sealing material** (V607 pourable, V608 M) BarySkin® in is laid on double sheet metal thickness, in order to achieve an optimal damping.

As **metal bonding agent and acoustically effective intermediate layer in sandwich arrangements** the gluing of the top sheet-metal takes place via BarySkin® themselves. This kind of the impact sound absorption is particularly preferred with sound-radiating, thick metal designs. The thickness ratio of basic sheet metal, the plastic intermediate layer from BarySkin® and the top sheet metal should be **4:1:1**.

As **adhesive and sealing mass** (V60) for our heavy mats BarySkin® in thin layer is laid on the underground and on the sticking side of the damming mat (can be laid on also with tooth putty). After the gluing butt joints and edges with the same material are sealed. Need approx. 1.0 kg/mm/m².

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Procedure for coating with BarySkin® on existing colour structure.

The BarySkin® products are solvent-free 2-components plastics on PU basis, with the surface, which can be coated with a colour structure covered or sand-radiated, the adhesion is not resulting from any chemical reaction. For the adhesion of the BarySkin® of products alone the roughness of the surface is determining. The adhesion of the plastics results from the mechanical adhesion with the ground and rough surface of the underground. We recommend existing painting to degrease before the coating with BarySkin®, to clean and sanding with sand paper of the granulation 60 to 80 crosswise and roughly. Because of the different pre-treatments a detention sample is recommended.

We recommend carrying for the protection of the skin and the eyes gloves and eyeglasses during processing. When spraying, a panorama protective mask with filter (we recommend an A2/P2-Filter) or a fresh air mask should be carried. In the case of standard processing through spraying process we recommend in addition to provide for a good suction apparatus.

Used implements are to be cleaned immediately after use with dichloromethane or similar solvents.

Dirty lacquered areas are to be cleaned and/or wiped off immediately.

The bundles with the individual components are firmly locked to store cool and dry and protected against humidity. The shelf-life of BarySkin® stored in unopened original bundle and appropriately is 24 months. The B-component must be stored frost-protected.

The technical data (average values) as well as material information are based on conscientious experiments and our many years of experience. Because of the peculiarities of every individual case we can take over no liability for our indications. Own application tests are recommended in any case. On request we are available gladly with information. BarySkin® is a registered trademark of the Auria Solutions GmbH, Adelheidsdorf.