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Instruction

Upon applying ultrathin thermal insulation of the
UBiGRUND® series - Anticorros.

The coating is intended for thermal insulation of surfaces with an operation temperature from -60 ° C to + 200 ° C.

Insulation work can be carried out on pre-prepared surfaces - skimmed, dry, with a temperature of + 7 ° C to + 90 ° C. The material is recommended to apply the first layer or layer, the thickness of each layer is not more than 0.25 - 0.5 mm at a time. Drying time between the layers with a thickness of 0.5 mm is 24 hours (at a temperature of 18 ° C and humidity of 60%).

Application of modifications:

For poorly prepared metal substrates, we recommend using the first layer of liquid thermal insulation "UBiGRUND Antikor" (subsequent layers can be applied by other modifications). For the prepared surface (pre-coated with adhesive or anti-corrosion soil), use the basic modification of the ultra-thin thermal insulation "UBiGRUND-Classic".

For thermal insulation of facades of residential buildings, use vapor-permeable modification "UBiGRUND Facade".

Other modifications, detailed instructions, technological maps and consumption tables are available to familiarize yourself on the manufacturer's website: <http://teplokraska.com>

1. Preparation of surfaces:

The surface must be deguded, remove the old paint and rust with manual or mechanically, and after stripping with loose (plate) rust, it is recommended to apply liquid thermal insulation "UBiGRUND Antikor" by the first primer layer with a thickness of 0.25 - 0.5 mm. Subsequent layers are recommended to create with the basic modification "UBiGRUND-Classic".

2. Preparation of material:

Ultrathine heat insulation "Jubigund" is ready for use. With long-term storage, it is possible to bundle material in a container, which is eliminated with a thorough mixing of a mixer on small revolutions. For ease of application, you can add a bit of distilled water to the material (up to 3%, about 25-30 ml per 1 l of material) and mix thoroughly (bottom-up) while the product does not look like cream. **ATTENTION:** The speed of mixing is not more than 150-200 rpm. Excessive mixing at high speed damages the microsphere, and can reduce the heat-reflective coating efficiency.

3. Coating:

Liquid thermal insulation "UBiGRUND anticorrosive" is applied with a layer with a thickness of no more than 0.5 mm. It is recommended to

work with a soft flat tassel with a long natural pile. The surfaces of the large area can be coated with an airless machine (with removal of filters and minimum pressure setting). Do not use the paintpults that cause the material (membrane, gear, etc.) - as they can damage the microsphere.

How to apply? The material is applied with brush with short movements in one direction (as a spatula). If the material is rapidly settled (folded) on the surface (especially under the rays of the sun or in a warm dry room), add a distilled (clean, filtered) water to the desired consistency and blend thoroughly upwards.

How to apply on hot surfaces?

It is recommended to prepare primer from the material in a separate container, pre-diluting with water (up to 50%). With constant stirring, sequentially apply with thin layers with short swabbers of the painting brush. When the primer material stops boiled on a hot surface, you can proceed to apply the main layer using a less diluted material, but not more than 0.5 mm total thickness. Then it is necessary to withstand the applied layer for full polymerization and proceed to apply the following layer to the calculated thickness. The thickness of the finished coating can be determined by the thickness gauge. The material consumption when creating a layer with a thickness of 0.5 mm is 1 l by 1.5 - 2 m². The material consumption affects the type of surface and the method of application.

The total coating thickness and the number of layers is determined by the heat engineering calculation or laboratory flow (see Table 1 and Table 2 on the website <http://teplokraska.com> in the Technical Documentation section - the "Consumption Norm" document).

The tinting of the material is allowed by pigment pastes on a water basis of well-known manufacturers in pastel (not saturated) tone, compliance with the recommendations for stirring. With multi-layer applying, it is recommended to college the last layer. Adding a kolker slightly reduces the heat transfer properties of a material that can be compensated by applying an additional intermediate layer (0.25 - 0.5 mm) to the calculated one.

The storage and transportation of the material is allowed in a tightly closed container at a temperature of from + 5 ° C to + 40 ° C. Freezing of material or long overheating near heat sources is not allowed. If there is an additional label "Frost-resistant" on the package - transportation and storage is allowed at temperatures up to -30 ° C for no more than one month or up to five cycles.

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