

KORING 972-1 BLUE
*Hydrophobic Surface Treatment Agent***Purpose:**

KORING 972-1 BLUE is water-based agent for water-repellent (hydrophobic) surface treatment of non-absorbent materials. It is used where it is necessary to achieve that impurities do not stick to the treated surface and water drips well. At the same time, where is necessary that there is no optical change in the treated surface. That is, to make the surface finish "invisible". The resulting surface treatment has less resistance to attrition and abrasion, so it is recommended to perform it where the treated surface is not so mechanically stressed. If it is, depending on the type and intensity of mechanical "abrasion", the life of the treatment is reduced to months, while on unstressed surfaces the treatment lasts for years. In case of loss of surface treatment properties, the surface treatment needs to be renewed.

The surface treatment created with KORING 972-1 BLUE is tens of nanometres thick. For its effectiveness, the thinner the layer, the more effective it is, but it needs to be even, without "spots" and untreated areas.

Application:

Before application, it is necessary to degrease the surface to be treated thoroughly, otherwise, due to the water composition of the product, the necessary wetting of the surface may not occur. Also, some previous surface treatments may block the surface from getting wet.

Before use, it is recommended to stir the agent. It can be applied in different ways. It is best to apply the product by spraying with a fine mist, but it must not dry before it settles on the surface! Painting with a brush or roller is less suitable. But these methods are also applicable. KORING 972-1 BLUE can also be applied with an absorbent material (cloth or sponge) soaked in the product, but this increases consumption.

When applying, care must be taken to ensure that the surface to be treated is completely covered, without stains. If the agent creates spots, it should be wiped off immediately with a soft material.

After applying the product to the surface, it is advisable to spread the product with a soft material (cloth) to ensure good even coverage. If a spray gun is used for the application, which is correctly adjusted and the application is completely uniform, then spreading is not necessary.

Once the applied layer of the composition on the surface is partially dry, it is possible to re-polish with a soft material for the purposes of the "invisible" layer. This is done especially on glass and the surface is polished so that there are no "smudges". Alternatively, once the applied layer has partially dried on the surface, another coat can be applied to ensure that the surface is treated everywhere and evenly. In this case, however, it is necessary to re-polish the surface as a thicker cured layer would reduce the effectiveness of the repellent treatment.

Under normal climatic conditions of 5-25°C and relative humidity of 45-65%, the surface treatment is fully cured within 24 hours after application. Higher temperatures do not affect the quality of the surface treatment, but they do increase the drying rate, so the work should be finished faster. Rain can partially wash away fresh (uncured) surface treatment.

Advantages:

- Solvent-free aqueous formulation.
- Wide range of applications.
- The treated surface is without visible change in optical properties.

Warning:

Due to its water and dirt repellent properties, the treated surface is also repellent to coatings. If the surface is to be finished with varnish or paint, treatment with KORING 972-1 BLUE would prevent the varnish or paint from adhering. (For example: It is desirable to treat the glass of the windows of a large building so that they do not get dirty and do not need to be washed so often. But these are set in a steel structure that has a coating. It is already starting to peel, so it is planned to repaint the structure. This must be protected before applying KORING 972-1 BLUE, otherwise the new paint will not adhere to it.)

Packaging:

The agent is supplied in 10 l, 25 l canisters, 50 l plastic drums, 200 l drums and 1 m³ IBC containers. The agent can also be delivered in a different packaging by arrangement with a customer.

Storage:

Store in plastic containers. Storage temperature 5 – 40°C. Temperatures below 5°C will destroy the product.

Expiration:

12 months in a closed container.