

# TKK CLEAN PROTECT AQUASTOP WHITE SURFACE

Silicone water-repellent impregnation

## AREA OF USE



Aquastop White Surface is a colourless, silicate-based solution for the final protection of porous (absorbent) inorganic materials against water and moisture. Due to its excellent absorbency, it penetrates deep into the pores of the material and, once the water has evaporated, forms an invisible, film-free surface impregnation.

Water-repellent impregnations are most effective on surfaces where water can drain, so they are most often used to protect vertical and sloping surfaces, or surfaces with a 3-5 % slope. Protected surfaces retain their ability to "breathe" and remain vapour-permeable.

Water-repellent impregnations do not offer protection against pressurised water and are therefore not suitable for pool protection, do not bridge cracks wider than the hairline and do not seal poorly bonded parts.

Surfaces protected by hydrophobic impregnation do not absorb water and remain dry during rainfall, therefore:

- the transport of water-soluble salts is prevented, resulting in no material efflorescence,
- improved thermal insulation because it saves heat that would otherwise be used to dry a wet surface,
- there is less microorganism development, algae, mould, and fungi growth, and as a result, the surfaces remain clean for a longer period of time.

Aquastop White Surface is suitable for the protection of a wide range of materials such as: silicate bricks, plasters, foam concrete, gas concrete, etc.

Aquastop White Surface is not suitable for the protection of less absorbent and/or coloured mineral surfaces, concrete (or alkaline surfaces) and natural and artificial stone due to the risk of white stains resulting from the reaction of the product itself with carbon dioxide (CO<sub>2</sub>), which is always present in the air.

We recommend that you apply the protection to the sample surface before using Aquastop White Surface.

## TECHNICAL CHARACTERISTICS

| Characteristic | Declared value          |
|----------------|-------------------------|
| Appearance     | Colourless clear liquid |
| Density, 20 °C | [1,02 ± 0,03] kg/L      |
| pH             | 12 ± 1                  |

## INSTRUCTIONS FOR USE

### Surface preparation

The surfaces to which Aquastop White Surface is to be applied must be free of dust and grease stains. They must be compact and free of poorly bonded parts, damage, and cracks that cannot be repaired through impregnation.

It is advised to apply hydrophobic impregnation to an air dried or slightly moist surface. The surface must not be saturated with water, as this reduces the absorbency of the material. The surface must also be free from standing water. Moisturising the surface before applying Aquastop White Surface is recommended in the event of a prolonged dry period with high temperatures and/or wind. In this case, the surface shall be moistened 12 to 24 hours before the impregnation is applied. This way, the surface is kept dry and there is enough moisture in the capillaries to allow Aquastop White Surface to penetrate deeply and react. If it has rained for 1 day prior to the application of the impregnation, or if there is a high proportion of air moisture in the air, e.g., more than 85 %, the surface should not be wetted.

Before applying hydrophobic impregnation, we must protect all surfaces that will not be impregnated (wood, glass, aluminium, etc.) to avoid damage and staining.

### Application

The method of application depends on the porosity and position of the surface to be protected.

- Aquastop White Surface is a thin-fluid solution. It can be applied with a brush, but larger areas are usually protected by spraying (e.g. with a fruit sprayer).
- Vertical surfaces are treated from the bottom to the top. Apply enough impregnation to run for about 15 cm over the previously treated surface before being absorbed.

### Curing

For at least 24 hours, freshly coated surfaces must be protected from rain, precipitation, and freezing.

### Cleaning of work accessories

After completing the work, all tools and work accessories are cleaned with water.

## ADDITIONAL RECOMMENDATIONS AND WARNINGS

- The recommended application temperature is between +5 °C and +30 °C.
- The plasters to be protected must be at least 28 days old.
- Do not apply a hydrophobic impregnation if rain is imminent or if the relative humidity is greater than 85 %.
- We recommend performing a test on a test surface.

## **CONSUMPTION**

Consumption depends on the type, porosity, and roughness of the surface to be protected and is usually:

from 0.2 to 0.5 kg per 1m<sup>2</sup> of surface

## **PACKAGING**

canisters 5 L

## **STORAGE**

- The product should be stored at temperatures between +5 °C and +35 °C. It should be protected from damage, freezing and direct sunlight.
- A properly stored product has a shelf life of at least 2 years after the date of manufacture.
- The product may still be used after the date of expiry, but the characteristics important for the intended use have to be examined.

## **HEALTH, SAFETY AND ECOLOGY**

Wear protective gloves and goggles when working with Aquastop White Surface. Follow the general instructions for working with chemicals: take care of cleanliness, do not eat, drink or smoke while working. After finishing the work, wash hands thoroughly with soap and water.

More information on safe handling and disposal of the product is available in the safety data sheet, which is provided on request, and is also available from the dealer or distributor where you purchased the product.

## **WARNING**

Instructions and recommendations are given based on examinations in our laboratories and experience to date. Due to the specific conditions and method of work, we recommend preliminary tests for each individual case of use.

Since we cannot influence the course of work, we cannot be held responsible for its quality!



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