

# Application instruction

for 2K Surface Sealing Resysta® Floor Sealer RFS (Gloss Level)



## 1. APPLICATION AREA:

Resysta 2K Sealer RFS is a diluted, transparent 2 component polyurethane sealer for in- and outdoor use.

This 2 component (in short 2K) sealer is based on one part varnish (component A) to which a hardener is added (component B). Mixing both components excites a chemical reaction which creates an insoluble film after drying.

After drying, Resysta 2K Sealer RFS covers the surface with a highly resilient, transparent varnish which enormously increases the mechanical and chemical resistance of the treated area.

The sealer protects from stains caused by e.g. grease, oils or other extraneous influences. Even adhesive stains like graffiti or similar can be removed, owing to the cured insoluble film.

## 2. PROCESSING:

### a. Pre-Treatment:

The installation area needs to be dry, firm and free from pollution and other substances. Bearing capacity of the subsurface and existing coating should be tested. Loose Coatings are to be removed completely as well as microorganisms.

### b. Mixing Ratio:

The final sealer is produced by mixing varnish + hardener + water. Base varnish and hardener are delivered adjusted in the available units. The mixing ratio of the single components is as follows:

- 10 parts by weight base varnish
- 3,5 parts by weight hardener
- 3,5 parts by weight water

### c. Mixing Instructions:

First of all, mix the hardener in the base varnish by stirring constantly for at least 2 - 3 minutes in order to ensure the homogenous fusion of the hardener and varnish molecules. After carefully mixing the hardener in the base varnish, the same part of water needs to be added and stirred well. By stirring the components constantly, a smooth viscosity is reached.

## ADVICE:

After mixing the components, the final mixture shall be applied within 30 minutes! Thereafter, the viscosity of the mixture changes and varnish wastes must not be further processed. Owing to the advanced chemical reaction of the 2K varnish, further processing leads to an optical uneven surface. The strength of the varnish as well as the adhesion with the ground cannot be ensured anymore. Therefore, we recommend to only mix a quantity which can be processed within 30 minutes.

Varnish and hardener, which have not been used but mixed need to be immediately stored air-proof in the corresponding units.

### d. Painting:

Ready-mixed Resysta 2K Sealer shall be applied evenly with the Resysta Surface Brush. It is recommended to apply approx. 100g/m<sup>2</sup>. When applying, a milky film occurs on the surface which, however, completely disappears when drying.

The even application is indispensable in order to ensure an optical smooth surface and degree of gloss. The material consumption needs to be observed <100 g/m<sup>2</sup>. When applying the material unevenly or excessive, differences in gloss, milky drying or traces in the sided light can occur. Thoroughly clean tools with water immediately after use.

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Do not process under direct sun; too quick drying can lead to milky traces. Temperature and weather conditions directly influence the drying of the material. In case of larger areas or high temperatures, we recommend to paint smaller units in order to avoid milky traces owing to quick drying optimal. Temperature of processing and ground >10°C and <30°C; relative humidity <75 %.

## e. Drying:

After a few minutes, the painted surface is covered by an upper film which avoids the subsidence and sticking of dirt (dust, leaves). As soon as this film is building, the area must not be walked on. After approx. 20 minutes, depending on the conditions, the milky film is building again. After another 2-3 hours, the surface is dry, but not yet resistant. Make sure to avoid contact with humidity or water during the first 12 hours (white stains may appear). Finally, after approx. 12 hours, the surface is dry and can be walked on cautiously. If a further layer of coating is desired, it can be applied in the same manner. The complete chemical cure is through after approx. 36 hours. Now, the surface has developed its resilience against chemical and mechanical influences.

## 3. GENERAL NOTICE:

### Instructions for Use:

Sealings are subject to wear and tear. The individual duration of use depends on the thickness of sealing as well as on the intensity of strain. Abradant strain can lead to scratches in the surface. Regular care and maintenance is precondition for a sophisticated surface. Non UV resistant subsurface cannot be prevented from yellowing or bleaching by using Resysta Floor Sealer RFS, i.e. UV resistance depends on the subsurface material. Therefore, we recommend to treat the surface with a pigmented Resysta Lasur FVG first. Darker colours offer higher UV resistance than lighter ones. Surfaces subject to extreme mechanical strain can be better protected by applying Resysta Floor Sealer in several layers.

### Care Instructions:

The surface can be cleaned with standard cleaning agents. For areas subject to extreme strain we recommend to renew the sealing regularly, depending on the strain. This way, costly repair can be avoided.

### Maintenance Instructions:

Re-applying Resysta Floor Sealer refreshes slightly scratched or mechanical surfaces. When applying the sealer again, make sure to slightly sand the surface before and remove abrasive dust. Then proceed like mentioned under point 2 (Processing). In case of deeper damage to the surface or changes of the colour shade owing to mechanical strain, the surface shall be adjusted with Resysta Finish FVG after sanding.

### Safety / Disposal:

Do not process under 10°C. Store away from freeze.

Safety data sheet available upon request.

For safety and disposal advice please refer to the safety data sheet.

The above information regarding properties and application is provided to the best of our knowledge, experience and on the basis of the latest developments and practical experience. Owing to the versatility of the material, however, there may be possible applications that had not been addressed specifically in this technical data sheet and, therefore, we will not assume responsibility nor liability of applications not addressed. Die The suitability of the product depends on the condition of the ground. The user is responsible for appropriate storing, application and disposal. All information and data stated above become invalid with the release of an actualized version.