

## Technical Data Sheet

### Description

HIPERSEAL™ is a water based silane modified acrylic sealer that is designed to be used when the polished surface is needing protection from topical harsh spills and chemical attacks.

### Properties

HIPERSEAL™ reduces the penetration of aqueous liquids, grease, oils and other dirt. The product is easy to apply and imparts high gloss when burnished. The effectiveness depends on the material and absorption of the surface. Depending on the material and surface treatment, it can also lead to different results in the resistance of stain protection.

HIPERSEAL™ forms a microscopic semi-topical barrier that protects the surface from stains and etching due to harsh spills. It increases the gloss of the surface after burnishing and will also enhance the appearance of stained and/or dyed polished concrete floors. Basically there is no or only minimal changing of the surface color (color enhancement). The water absorption will be strongly reduced. The active ingredients are UV-resistant and not yellowing, and although it is a film-forming product, it stays breathable (diffusion open).

### Advantages:

- Easy to apply. Fast drying (Fully dried within 2-5 hrs).
- Breathable and UV stable. Will not yellow.
- Non-flammable. Non-toxic. Low odor.

### Disadvantages

- Sensitive for freezing during application if applied during cold conditions.
- As any topical sealer it becomes the wearing surface, so in turn it needs periodic replacement.

### Scopes of application

HIPERSEAL™ is applicable to concrete surfaces, screeds and artificial stone/Terrazzo. Specific areas of usage are e.g. where the surface needs to be closed and withstand etching stains from for example food spill, or when there are exposed steel fibers in the concrete that you would like to protect from water and corrosion. The product is suitable for interior use. For highly absorbent surfaces it's recommended to apply two times.

**Note:** The acid sensitivity on concrete surfaces will be reduced, but depending on the length of the exposure time and the aggressiveness of the chemical, etching marks might still occur.

### Processing

The treated surface must be absolutely dry (< 4 CM%) and free from impurities. To ascertain the consumption make a separate sample area of the same surface. Apply HIPERSEAL™ with a low-pressure sprayer and spread material with a short-hair microfiber mop. Do not work material into the surface. Spread it and leave it. Leave the surface completely dry. On highly absorbing surfaces or to increase stain protection properties a second application is required.

**Note:** Too much material excess can lead to an inhomogeneous appearance and to an orange peel after burnishing. Clean equipment with water.

### Processing temperature

Avoid direct solar radiation during processing. The surface temperature should be between 10 ° C and 30 ° C (50 – 86 F). Floor heating maybe turn off. Avoid direct moisture to the development of water-and oil repellent effect.

### Drying time

The curing time is between 1-2 hours. According to ambient temperature, humidity and absorption there could be a difference in curing time.

### Productiveness

Depending on the absorption following values are to be believed. Reference value:

### Consumption rate:

For polished concrete: approx. 20 m<sup>2</sup> / liter (two applications)

### Storage

Keep closed container in a cool, dry place. Begun cans should be worked up as soon as possible.

### Environmental Protection

Not empty into drains. WGK 1 (low water endangering). Waste codes/waste designations according to EWC/AVV. 08 02 99 wastes from MFSU of other coatings (including ceramic materials): Wastes not otherwise specified. Dispose of waste according to applicable legislation. Completely emptied packages can be recycled.

### Security

Extremely low VOC's (less than 50 grams per liter). HIPERSEAL™ is harmless to health after drying up. A good ventilation should be provided during and after the processing. Observance of special security measures if the product will be use in a spraying application.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]. The mixture is classified as not hazardous and is not considered as dangerous goods according to these transport regulations. Safety data sheet available on request.

**Packaging Unit (PU)** 20 liter PE canister.

*This information should only be a non-binding advice. The use of the products is based on local circumstances and on the surface itself. If there is no experience, and in cases of doubt, we recommend to try the product on an inconspicuous spot.*