



Concrete Surface Hardener, Dust Proofer and Curing Compound

PRODUCT DESCRIPTION

INKA-S6 is a silicate-water based single component compound utilized as surface hardening and curing agent for both fresh and hardened concrete.

AREAS OF USE

INKA-S6 is effectively used in new and old concrete surfaces where light to moderate abrasion resistance is required, such as;

- all sorts of industrial surfaces,
- shopping malls,
- parking lots,
- service stations,
- stores and warehouses etc...

It can also be utilized on concrete slabs where no specific curing or standards are required.

INKA-S6 is not suitable for rehabilitating or restoring corrupted concrete surfaces alongside natural stone and similar stone surfaces since **S6** is only effective with the presence of cement for reaction.

ADVANTAGES

- Ready to use.
- Easily applied.
- Solvent free.
- Colorless and odour free.
- Improves chemical and abrasion resistance of surfaces.
- Reduces dusting, improving cleanliness.
- Gives good surface penetration.
- Environmentally friendly.

TECHNICAL DATA

- **Colour:** Clear liquid
- **Chemical Base:** Sodium silicate / water dilution
- **pH:** Alkali
- **Density:** 1,2 kg/lit \pm 0,03 kg/lit (@ 20°C)
- **Chemical Resistance:** **S6** is not intended for chemical exposure
- **Substrate Temperature for Application:** +5°C to +35°C
- **Ambient Temperature for application:** +5°C to +35°C
- **Standard:** Complies with ASTM C-156 (curing efficiency)
Complies with ASTM D-4060 (abrasion resistance)
- **Storage:** 24 months if stored properly in original unopened sealed packaging protected from frost.
- **Packaging:** 35 kg metal or PE pails and drums

CONSUMPTION/ COVERAGE

INKA-S6 is a ready to use compound.
Depending on surface condition; between 0,15 - 0,25 kg/m²
For use as an Hardener/Sealer: 1 to 2 coats (depending on surface conditions)

Overcoating:

Second coat can be applied after the first coat fully cures. (3 hours @ 20°C) The first coat should be tack free before the application of the second coat.

APPLICATION

Surface preparation:

For old concrete: Concrete surfaces should be clean, free from oil, grease, rust and all loosely adhering particles and all other surface contaminants. If needed suitable mechanical surface preparation methods should be applied such as sand/abrasive blasting or high pressure water treatment.

For fresh concrete: The surface bleed water should be evaporated thoroughly and surface should be of sufficient strength to be able to withstand finishing operations.

Before each application, test the product on a trial area.

For best results, it is advised that the product must be used at least 7 days later following the placement of fresh concrete, so that the cement has sufficient time to hydrate. (7 day period may be extended depending on the w/c ratio and environmental temperature)

ATTENTION

- Where environmental temperature is above +25°C, store the product in a cool place before use.
- Where environmental temperature is below +10°C, the product may thicken and become difficult to spray.
- Only use the spraying equipment for this product. Do not spray silicone or oil based products with the same sprayer.
- The product should be removed mechanically from the floor should there be a need to apply a coating system.
- Do not use this product on previously treated surfaces.
- Leave no dry spots in order to have homogenous performance and touch up if necessary.
- Remove the residues and excessive material thoroughly from the surface or white spots on surface may form.
- The performance of this product depends highly on the cement content, humidity content of the concrete and on the surface porosity where penetration of the product into the substrate is of great importance.
- This product is also not intended for substrates with low cement content and which are lightweight and extremely porous (with exposed aggregate)
- Tools must be cleaned with warm water before the residues fully cure. The cured product should be removed mechanically.

HEALTH & SAFETY

- The product is alkali.
- Protective gloves, goggles and mask should be worn during use.

TECHNICAL SERVICES

Our technical support team is ready to answer all your questions concerning our product line.

For additional information, please contact our headquarters.

Material Safety Data Sheet of this product can be obtained from info@inka.com or from our regional sales representatives.