



DENSIFY-K

Densify K is a colloidal Potassium Silicate that is primarily used as a first stage in the concrete polishing process. It can be used in either domestic or commercial applications.

FEATURES

- High solids formula
- Chemically bonds to the substrate
- Waterbased densifying sealer
- Dust proofs and harden concrete substrates
- First hardening stage in polished concrete process
- Invisible finish

TECHNICAL INFORMATION

Physical State.....Non-viscous liquid
Odour.....Characteristic odour
Boiling Point.....Approximately 105 °C
Flash Point.....Not flammable
Water Solubility...Miscible in all proportions
VOC.....0 % v/v
Storage.....Store in a well-ventilated place. Keep container tightly closed

Colour.....Clear
Specific Gravity.....1.05 – 1.12 @ 25 °C
Freezing Point.....Approximately 0 °C
Flammable Limits...None
pH.....11.0 – 12.0 neat
Per Cent Volatile....~80 % v/v

Suitable for:

All commercial and domestic applications.
 External or internal substrate.
 All porous concrete products.

Preparation:

Always test product on an area first and allow a 1 hour cure time to determine the ease of application and suitability of your surface.
 Ensure surface is clean and free of residues and other contaminants.
 Use proper PPE as per details on the SDS.
 Do not thin product or alter formula.
 Concrete should be 28 days old.

Application:

Apply when surface temperature is between 5 – 35 degrees C.
 Use a broom, mop or squeegee to spread product evenly across the area.
 Saturate the surface without leaving puddles.
 Always remove excess product after 30 minutes.
 If a surface is particularly porous, a second coat can be applied preferably after 12 hours.
 Do not allow excess product to dry on surface.
 Densifying surface for floor polishing.
 Can be used as a hardener on a boney or weak slab.
 After application leave overnight before grinding slab and recoat with Densify K.
 Leave overnight after each application of Densify K and before resin grinding and using Densify L.

Drying:

Keep surface dry and free of traffic for 2 hours after application.

Coverage:

Approx 10 square meters per litre to 20 square meters per litre depending on surface porosity.

Clean Up:

Water.

Maintenance details:

see the General Cleaning Guidelines For All Surfaces Technical Data Sheet on solutionssealers.com.au.

Shelf life:

2 years from purchase in an unopened container – test contents after this time.

Packaging:

20lt, 200lt

**PRECAUTIONS/LIMITATIONS:**

- Do not hydrate surface before densifying.
- Remove excess sealer after 30 minutes.
- Do not allow excess sealer to dry on surface as it will leave an inconsistent finish.
- Uneven or improper application may result in a patchy appearance.
- Test product for suitability of sealer on your surface.
- Some surfaces may darken.
- Surface temperature to be between 5 and 35 degrees C
- Do not apply sealer outdoors if rain is expected within 12 hours
- Allow 2 hours before foot traffic and 12 hours for vehicular traffic
- Will not resist against hydrostatic pressure or rising damp.
- Will not seal cracks in the surface

PRODUCT WARRANTY

Contact Solutions Sealers for warranty details. Warranty for this product is available for 15 years and requires the use of an approved applicator with maintenance requirements.

This product is warranted to be free of defects in material and workmanship. This product is manufactured in accordance with Solutions Sealers quality control standards. All technical data, manuals, statements and suggestions are based on in house & field testing. All information obtained herein is believed to be true & correct but accuracy and completeness of the said tests are not guaranteed and or not to be construed as a warranty or guarantee of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend on many factors that are beyond Solutions Sealers control.

SAFETY INFORMATION

Refer to safety data sheet for full details.
Available on www.solutionssealers.com

Ingredients	CAS Number	Proportion	Exposure Standards TWA	Exposure Standards STEL
Potassium silicate	1312-76-1	10 - 30 % w/w	none established	none established
Ingredients determined to be non-hazardous at concentrations present	various	To 100 % w/w	none established	none established

Transport Information

Labels Required	None allocated.
ADG	Not classified as Dangerous Goods.
IMDG Marine Pollutant	No
HAZCHEM	None allocated.
Special Provisions	None allocated.
Packing Group	None allocated.
Packaging Method	None allocated.
Segregation	None allocated.

Regulatory Information

GHS Classification	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
SUSMP	S5
ADG Code	Not DG
AICIS	All ingredients present on AICIS.

