



DESCRIPTION

ADHL-DENSIFIER (Lithium Potassium Silicate Blend) is an economical clear penetrating liquid concrete densifier supplied in a ready to use form. The product is used to densify and dust proof concrete floors.

WHERE TO USE

ADHL-DENSIFIER is recommended for use in

- Densifying and dust-proofing existing concrete floors.
- Suitable for use on concrete floors in warehouses, industrial plants, commercial and residential buildings.
- For floors incorporating shake on coloured floor hardeners.
- For new concrete floors after full cure.

BENEFITS

- Water Based, Low Odour, Non-Hazardous, Nontoxic
- Economical Solution For Dust Proofing And Hardening Concrete Floors
- Has Good Vapour Permeability (Breathable)
- Easy To Maintain Floors Plus Water Permeability Is Significantly Reduced
- Finished Floor Is Environmentally Sound

HANDLING PROPERTIES @ 23°C (74°F)

Appearance	Clear Liquid
Specific Gravity..	1.08
Total Solids Content	10%Min.
Flash Point...	N/A
Weight per Gal.	9.0 lbs
Freeze Point	OOC(320F)
VOC Content	Og/L
pH	11.0
Solubility in Water	100%

The above information is representative of typical values obtained under laboratory conditions. Variations can be expected due to site conditions and/or other testing methods.

SURFACE PREPARATION

Prior to the application of ADHL-DENSIFIER remove all dirt, curing compounds and other foreign material. (DO NOT ACID WASH).

For the removal of curing compounds and other coatings contact your local AdhesivesLab representative for recommendations. For general preparations use an alkaline concrete detergent.

APPLICATION

New Concrete Uncured & Cured Steel Trowled (For Surface densifying and dust proofing):

Allow concrete to dry thoroughly prior to the application of the ADHL-DENSIFIER. It is recommended that on-site testing be done to determine actual coverage rates. In hot dry weather, you can pre-wet with clean water. All free-standing water must be allowed to evaporate prior to application. Using a squeegee, low pressure sprayer, mop, push broom or micro fiber pad apply one saturating coat of ADHL-DENSIFIER at the recommended (predetermined) application rate.

The concrete should be kept wet for a minimum of 10-15 minutes and should be continuously agitated into the concrete. If any areas dry in less than 15 minutes, then retreat with additional material. If the material becomes gel like prior to the 15 minutes, wet down and remove any excess with clean water. Clean up any residual product and dispose of according to local requirements. At the end of 15 minutes collect and remove any residual product which does not penetrate using a squeegee and wet vac. Allow treated surfaces to dry overnight then reapply as per the previous instructions.

It is also recommended to broom the surface before this application using a stiff broom, power sweeper or floor scrubbing machine. If an enhanced shine is required, buffing and burnishing in both directions may be done the following day with an orbital floor machine or burnisher using a white, red or black pad. The floor must be thoroughly dry prior to this process. All collected residual material and waste water must be disposed of according to local requirements.

Note: Allowing excess material to remain on surface may create white residue which must be removed immediately normally by rinsing.

LIMITATIONS

- ADHL-DENSIFIER is not a membrane-forming curing compound and does not conform to ASTM C-309 specifications.
- ADHL-DENSIFIER is alkaline in nature and can react with glass and aluminum. Also, protect brick surfaces. All areas must be protected prior to application.
- if concrete is carbonated then the surface material must be removed prior to application of the ADHL-DENSIFIER. If not, there may be insufficient reaction between the ADHL-DENSIFIER and the concrete substrate.
- floors may become slippery when wet, therefore care must be taken at all times during application procedures.
- as this product is alkaline in nature, proper protective clothing should be worn at all times during application. Read the Safety Data Sheet prior to proceeding with the application.
- do not dilute product, use as packaged
- will not hide surface imperfections or bridge hairline cracks
- not recommended for epoxy terrazzo and stamped concrete.
- for application by approved Certified Professional Applicators

COVERAGE

Coverage is generally determined by a test application on site. However, listed below is basic coverage rates for reference purposes.

Cured concrete minimum 28 days or older @ 5-7 m²/L (200-300 ft²/US Gal.). Higher coverage rates will be achieved with the following application depending on the porosity of the concrete.

PACKAGING

208L (55 U.S. gal) drum - 225 kg (496 lbs.)

18.9L (5 U.S. gal) pail - 20.4 kg (45 lbs.)

CLEAN UP

Clean all tools and equipment immediately after using with clean water. Dispose of cleaning water as per local requirements.

STORAGE

Protect From Freezing- At All Times.

SHELF LIFE

Two years stored under normal heated warehouse conditions in original unopened containers.

SAFETY PRECAUTIONS

Consult the Material Safety Data Sheet (MSDS) for specific instructions.

WARRANTY

The recommendations made and the information here in is the result of accurate laboratory and field tests under controlled conditions. We guarantee that the quality and properties of the materials supplied conform to our standards. Adhesiveslab Products, makes no warranties, expressed or implied, as uses and applications are beyond our control. Adhesiveslab Products. shall not be liable for any injury, loss, or damage (direct or consequential) arising from use or inability to use the products. Before using, the user is urged to pre-test the products in his/her own environment to determine the suitability of the products for their intended use, and the user assumes all risk and liability whatsoever in connection therewith.

Adhesiveslab Product's liability, if any, is limited to a refund of the purchased price or replacement of that portion of the merchandise proven to be defective. Adhesiveslab Products shall have no other liability, including liability for incidental, consequential or result- ant damages, however caused, whether due to breach of warranty, negligence, or strict liability.

This warranty may not be modified or extended by representatives of Adhesiveslab Products, it's distributors or dealers."