



DESCRIPTION

ADHL-FILL-SHIELD / polyurethane repair system, is a two-component aromatic polyurethane crack repair system providing ultrafast curing. This product has been designed to repair concrete cracks and small holes on horizontal surfaces. It can also be used for below-grade repairs and at very low temperature levels.

WHERE TO USE

ADHL-FILL-SHIELD is suited for several applications; Repairing cracks in concrete, filling small holes, repair below-grade structures, cold temperature applications including fridges and freezers.

BENEFITS

- Extremely fast curing, can be grinded after 15-20 minutes
- Indoor/outdoor applications
- Cures at very low temperature
- Low viscosity allows for optimal concrete penetration; minimal surface preparation is required
- Possible to mix with silica sand, quartz and fumed silica to build up viscosity

HANDLING PROPERTIES

Min 0°C - Max 30°C

Mixing Ratio, by volume	A:1 part B:1
Viscosity (Mixed)	Very low
Solids Content.....	100%
Packaging	2 Gal Kits
(Working Time)	2-3 min... 22°C -55% Rel. hum
Hard Dry	15-20 min... 22°C -55% Rel. hum
Colour	Milky, Yellowish

MIXING

Mix one part of A and one part of B together in a separate container. The surface must be clean and free of any outside particle. Mix thoroughly using a drill.

Mix only the necessary quantity to be used according to the specified pot life / working time. If mixed with aggregates, use a mixing ratio that does not exceed 3:1

SURFACE PREPARATION

Concrete should be clean, dry and free of grease, oil, paint, curing agents or any contaminants that may inhibit proper adhesion. Concrete should be cured at least 28 days before applying the coating system.

Proper testing procedures should be practiced with regards to soil acidity and moisture vapor transmission. Take a pH reading to ensure concrete is neutral (a reading between 5 and 9 is acceptable).

Use a calcium chloride test to measure moisture vapor transmission. Readings of 3.5 lbs./1000 sq. ft. during a 24-hour period or less are acceptable for applying coatings. Higher results should receive a moisture mitigation system.

Ensure the surface is free of contaminants, and the pores are open to allow the product to bound.

APPLICATION

This product will cure at sub-zero temperatures. The product has been especially designed to adhere on porous concrete surfaces. The product simply needs to be poured in repair areas. Versions with aggregates can be applied using a trowel and/or a scrapper. Proper testing should be conducted prior application.

CLEAN-UP

Cured product may be disposed of without restriction. Excess liquid A and B material should be mixed together and allowed to cure, then disposed of in the normal manner. Product may be disposed in accordance with provincial and federal regulations. Uncured material can be removed with proper solvent. Follow the solvent manufacturer instructions for use and warnings.

LIMITATIONS

Requires a dry substrate. This product should not be applied to concrete substrates that show high levels of moisture/humidity. Although this product may be applied in a wide range of thickness, limitations may apply when taking into consideration curing time.

Moisture content of the substrate must be <4% prior to application. Temperature will also impact curing time. Curing time may extend significantly at very low temperature levels. Keeping the product stored at room temperature will make the application easier. Stands behind the quality of its products. However, **ADHESIVESLAB** cannot guarantee results since has no control over surface preparation, operating conditions and application procedures.

Contact **ADHESIVESLAB** for further information regarding the limitations of this product.

WARRANTY

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 resultant 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, its distributors or dealers.”