

PI.238 – PRODUCT INFORMATION: Using AUS-50™

Aliphatic Urethane Sealer

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AUS-50™ Aliphatic Urethane Sealer is a high quality, extremely durable, clear, single component, protective coating for concrete, polymer modified concrete overlays, stained concrete flooring and colored concrete surfaces.

1. DESCRIPTION and USES:

AUS-50™ Aliphatic Urethane Sealer is engineered and formulated for sealing new, old, interior or exterior concrete and polymer modified concrete overlays where a clear finish is desired.

AUS-50™ Aliphatic Urethane Sealer is a single component, ready to use, premium, clear coating. Available in either a satin or gloss finish. Check with local, state and federal VOC laws before using.

AUS-50™ Aliphatic Urethane Sealer protects and reduces staining from materials such as oil, grease, food spills, UV radiation and many chemicals by producing a low maintenance, abrasion resistant, protective film.

AUS-50™ Aliphatic Urethane Sealer is excellent for protecting imprinted concrete and polymer modified concrete overlays such as TEXTURE-PAVE™, THIN-FINISH™ or MICRO-FINISH™ Overlays.

AUS-50™ Aliphatic Urethane Sealer must be applied in thin coats. When applying AUS-50™ Aliphatic Urethane Sealer - gloss to surfaces with little or no texture, a slip resistant additive may be needed to increase skid resistance.

2. LIMITATIONS:

AUS-50™ Aliphatic Urethane Sealer must only be used on concrete that is well drained and is not subject to hydrostatic pressure. Alkali stains may form at edges, cracks and expansion joints.

AUS-50™ Aliphatic Urethane Sealer is not recommended for concrete subject to continuous water submersion, chemical exposure or high abrasion such as metal wheeled traffic.

AUS-50™ Aliphatic Urethane Sealer must be allowed to dry completely prior to being exposed to water.

AUS-50™ Aliphatic Urethane Sealer is a high quality coating and may require occasional maintenance and re-application to maintain premium performance.

AUS-50™ Aliphatic Urethane Sealer is highly flammable. Use only with adequate ventilation and proper safety equipment.

3. CHEMICAL COMPOSITION:

AUS-50™ Aliphatic Urethane Sealer is a 50% solution of an aliphatic polyurethane based on a single component blend and aromatic solvent.

4. APPLICABLE STANDARDS:

AUS-50™ Aliphatic Urethane Sealer complies with all applicable air quality management regulations restricting VOC content to less than 600 g/l. Check with local and state to ensure AUS-50™ can be used in your area.

5. PACKAGING:

AUS-50™ Aliphatic Urethane Sealer is available from stock in one gallon or five gallon pails.

6. COVERAGE:

Coverage will vary depending on method of application and the texture and porosity of the surface. Although two coats are typical, user must determine application needs.

Application with paint roller on textured surface – 200 to 250 sq. ft. per gallon.

Application with paint roller on smooth surface – 300 to 350 sq. ft. per gallon.

7. SHELF LIFE:

When stored in temperature controlled areas, shelf life is one year for unopened containers. It is recommended to rotate stock as formula improvements may be made when technology becomes available.

8. CAUTIONS:

AUS-50™ Aliphatic Urethane Sealer should only be used with adequate ventilation. **Keep away from heat, sparks and flame.** Vapors may cause flash fire. Do not smoke. Extinguish all flames and pilot lights and turn off stoves, heaters, electric motors and other sources of ignition during use until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

Avoid contact with eyes and skin. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. Ensure fresh air entry during application. If you experience watering eyes, headaches, or dizziness or if air monitoring demonstrates vapor levels are above applicable limits, wear a properly fitted respirator (NIOSH/MSHA TC 23C approved) during and after application. Follow respirator manufacturer's directions for use.

Read the Material Safety Data Sheet – MSDS.433 AUS-50™ Aliphatic Urethane Sealer for additional information.

9. CHEMICAL and STAIN RESISTANCE:

Chemical and stain resistance may vary depending on the condition of the surface, surface preparation, method of application, surface texture and exposure time.

10. TEXTURE and SLIP RESISTANCE:

AUS-50™ Aliphatic Urethane Sealer should only be applied to slip resistant surfaces such as broom finished, stamp imprinted and splatter textured surfaces unless a non-skid additive is included.

For safety a sample area should be applied to ensure product suitability. The entire project should be inspected after completion to approve the adequacy of the wet and dry slip resistance.

11. APPLICATION EQUIPMENT:

Protective gear should be worn when using equipment and materials during preparation and installation.

A solvent resistant lambs-wool type is recommended for most applications of AUS-50™ Aliphatic Urethane Sealer to apply an even coating.

12. APPLICATION:

Cover surrounding areas, landscaping and adjacent surfaces with masking to protect from over spray, spills and tracking. The entire work area should be roped off and nearby vehicles should be removed.

AUS-50™ Aliphatic Urethane Sealer must be properly mixed prior to application. Failure to mix properly may result in uneven sealing and create discoloration throughout the finish.

Application must be made at the coverage rates recommended in section 6. COVERAGE, using the equipment and methods described.

AUS-50™ Aliphatic Urethane Sealer must be applied thinly and evenly while maintaining a wet edge and overlapping must be controlled.

AUS-50™ Aliphatic Urethane Sealer must not be over applied to allowed to puddle or collect in joints, resulting in a prolonged cure.

AUS-50™ Aliphatic Urethane Sealer should be applied on a dry day when the surface and ambient temperatures are between 40° and 90° F and will not fall below 32° within the next 6 to 8 hours.

The surface to be sealed must be dry and free of moisture that will interfere with bonding and cure. Do not apply AUS-50™ Aliphatic Urethane Sealer on foggy, rainy to extremely humid weather conditions. On hot, dry days, application should be made during the cooler part of the day and when the surface is under shade.

The second or consecutive coats can be made once the first coat is dry. Ideal re-coat time is after 3 hours but before 24 hours.

Do not expose the freshly sealed surface to rain, sprinklers or condensation for 12 hours after final coating.

Sealed surfaces will be tack free in 1 to 2 hours at an ambient temperature of 70° F. Under these conditions, the freshly sealed surface may take light foot traffic in 3 to 4 hours.

The AUS-50™ Aliphatic Urethane Sealer must be allowed to complete cure prior to taking heavy traffic. Typical cure time is 12 to 24 hours.

Sealed surfaces should be inspected to verify and approve the installation for safety including wet and dry slip resistance prior to opening to traffic.

14. PRODUCT AVAILABILITY:

AUS-50™ Aliphatic Urethane Sealer is marketed nationwide and internationally, directly to trained installers through strategically located authorized distributor and suppliers.

15. PRODUCT COST:

At an application rate of 250 to 350 sq. ft. per gallon, the material cost per coat is approximately \$0.11 to \$0.18 per sq. ft.

16. OTHER SEALER OPTIONS:

Additional information is available in the Elite Crete Systems Technical Data TD-414 SEALER OPTIONS.

17. WARRANTY SUMMARY:

For the complete warranty statement and important limitations, read the Material Safety Data Sheet and Warranty. Generally, Elite Crete Systems, Incorporated represents and warrants only that its products are of consistent quality. No other oral or written statement is authorized. Any liability is limited to refund or replacement of the defective product. The end user shall determine product's suitability and assume all risks and liability.