

PI.238 – PRODUCT INFORMATION: AUS-50™ Aliphatic Urethane Sealer

Revised: 3/15/21 Version: 1.0

DESCRIPTION

AUS-50™ Aliphatic Urethane Sealer is a high quality, extremely durable, clear, single component, protective coating for conventional concrete, polished concrete, polymer modified concrete overlays, stained concrete flooring and colored concrete surfaces. Available as a gloss finish but can be made satin with AGG additive. Check with local, state and federal VOC laws before using.

AUS-50™ 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. Must be applied in thin coats.

LIMITATIONS

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

Not recommended for use as a protective top coat on 100% solids epoxy coatings. Doing so may result in a softening of the cured floor and a delay in cured hardness.

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

CHEMICAL COMPOSITION

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

PACKAGING

AUS-50™ is available from stock in one gallon or five gallon containers.

COVERAGE

Coverage will vary depending on method of application and the texture and porosity of the surface. Contact a local Elite Crete Systems Technical Representative for more details.

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.

CAUTIONS

AUS-50™ 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 for additional information.

APPLICATION EQUIPMENT

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

A solvent resistant, high quality, non-linting lambs-wool or mohair type roller is recommended for most applications to apply an even coating.

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.

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

AUS-50™ must be applied thinly and evenly while maintaining a wet edge and overlapping must be controlled. Must not be over applied or allowed to puddle or collect in joints, resulting in a prolonged cure.

The surface to be sealed must be dry and free of moisture that will interfere with bonding and cure. Do not apply 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.

Sealed surfaces will be tack free in 1 to 2 hours at an ambient temperature of 70 degrees Fahrenheit / 21.1 degrees Celsius. Under these conditions, the freshly sealed surface may take light foot traffic in 3 to 4 hours.

The AUS-50™ 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.

WARRANTY SUMMARY

For the complete warranty statement and important limitations, read the 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.