

TD.457 – TECHNICAL DATA: AUS-HD™ - Heavy Duty Single Component Urethane Sealer

Revised: 12/19/19

Product Name: AUS-HD™ Heavy Duty Single Component Urethane Sealer

Product Class: Clear polyurethane protective coating.

Description: AUS-HD™ is 50% solids, high performance, single component, moisture cure, aromatic, oil free, urethane protective coating that provides exceptional characteristics for abrasion resistance and chemical resistance. Available in High Gloss but can be made Satin with the addition of powdered aggregate. Recommended for use only in well-ventilated areas.

Uses:

- Protective topcoat over epoxy floors
- High gloss sealer for concrete floors
- Excellent for sealing soft or hardwood floors
- Bowling alleys
- Prolonging the life of decorative epoxy overlays

Features:

- High Gloss
- Resistant to most solvents, jet fuels, skydrol fluids.
- Outstanding scratch resistance
- Fast return to service, 3 to 6 hours

Physical Properties:

% Solids	50%	Viscosity	70-130 cps
Weight per Gallon	8 lbs.	VOC G/L	585
Color	1 gardner	VOC wt./gal	4.86 lbs.
Solvent system	Xylene	Flash Point	81F
Gloss @ 60°	95	Tensile Strength	5,000 psi
Impact resistance (direct)	160-inch lbs.	Impact resistance (reverse)	140-inch lbs.
Elongation (Instron)	85%	Abrasion CS17 wheel	28mg

Cure Schedule:

Surface Dry: 25- 45 minutes depending on thickness of application
 Hard Dry: 3 – 6 hours depending upon temperature, humidity and thickness of application.

Application: Once the container has been opened all the material should be used. To reseal the container, a nitrogen blanket should be sprayed in the container and sealed immediately. If this is not possible, pour the remaining amount into a smaller container to decrease the empty air in the container. Failure to do this and the coating will glaze over and within a day or two with hardened film.

Coverage: Varies depending on requirement or needs. A 240-sieve aluminum oxide powder can be added to thinner application to create a satin and higher abrasion resistant coating. Thicker applications can be achieved with a lint free conventional mohair or woven mohair roller designed for urethanes and little pressure to obtain a smoother, glossier finish at a rate of 200 to 250 sq. ft. per gallon.

Use a high quality, non-linting, conventional mohair or woven mohair roller designed for urethanes. Keep well filled with urethane.

Area to be coated shall be between 60 – 90F and the relative humidity above 35%. NOTE: The higher the humidity the faster the cure. Recoat window 3-6 hours maximum. After 24 hours the surface must be sanded and lightly solvent wiped before applying additional top coats.

Do not apply this material without adequate ventilation. Do not store or use this material near any sources of heat or sparks.

Available Packaging:

- 1 gal. pail
- 5 gal. pail
- Larger volume packaging available upon request only.

Suggested Storage:

- Store in a temperature and weather-controlled area between 65° F and 85° F.
- Caution: FLAMMABLE
- Shelf Life: 1 year in original unopened containers.
- Open containers must use nitrogen blanket to prevent hardening.