

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

Revised: 3/15/21 Version: 1.1

Product Class: Clear polyurethane protective coating.

Description: AUS-HD™ is a 50% solids, high performance, single component, aromatic polyurethane protective coating that provides high abrasion and chemical resistance. Recommended for use only in well-ventilated areas.

Uses:

- Protective topcoat over epoxy floors
- Protective topcoat for cementitious overlays
- Protective topcoat for concrete

Features:

- Available in high gloss and satin
- Resistant to most solvents, jet fuels, and Skydrol fluids
- Outstanding scratch resistance
- Fast return to service, 3 to 6 hours

Physical Properties

% Solids	50%	Viscosity	70-130 cps
Density	8 lbs./gal	VOC g/L	585
Color (Gardner)	1	Abrasion CS-17 wheel	28 mg loss
Solvent system	Xylene	Flash Point	81° F / 27° C
Gloss @ 60° F / 16 °C	95	Tensile Strength	5,000 psi
Impact resistance (direct)	160-inch lbs.	Impact resistance (reverse)	140-inch lbs.
Elongation (Instron)	85%		

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.
- Area to be coated shall be between 60° - 90° F / 16° - 32° C and the relative humidity above 35%. NOTE: The higher the humidity the faster the cure. Product can be moisture sensitive.
- 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.

Coverage: 200 to 250 sq. ft. per gallon.

Available Packaging:

- 1 gal. pail
- 5 gal. pail

Suggested Storage:

- Store in a temperature and weather-controlled area between 65° F and 85° F / 18° C and 29° C.
- Caution: flammable
- Shelf Life: 1 year in original unopened containers.
- Open containers must use nitrogen blanket to prevent hardening.