

TD.455 – TECHNICAL DATA: AUS-V™

Revised: 1.19.11

Product Name: AUS-V™ Aliphatic Urethane

Product Class: Clear polyurethane protective coating.

Description: AUS-V™ Aliphatic Urethane is a 75% solids, high performance, two component (with optional third component) protective coating that provides exceptional characteristics for abrasion resistance, chemical resistance, UV stability and weathering. Available in both Gloss (two component) and Satin (optional third component), AUS-V™ was engineered to last, perform and meet all VOC compliancy requirements nationwide.

AUS-V™ is not to be used as a stand-alone finish. Consult with your local Elite Crete Systems Technical Support Office for further information.

Typical Uses:

- Protective top coat for E100 Series Epoxy Coatings.
- Residential flooring; living areas, basements, garage floors.
- Commercial flooring; retail, medical, showrooms, food preparation areas, educational.
- Industrial flooring; warehouses, auto service centers, aircraft hangars, manufacturing facilities, clean rooms.

Key Features:

- High-Gloss, Non-Blush Film
- Extremely low VOC at 25 g/l
- Safe to use indoors. Low odor and non-flammable
- 75% Solids
- Coverage of 500 to 550 sq. ft. per gallon
- More cost effective compared to competitive products
- Excellent Strength Properties
- Excellent Abrasion Resistance
- Easy to Place
- USDA Acceptable
- Convenient pre engineered packaging – NOTE: Pre proportioned in prepackaged containers for ease of mixing.

Product Properties: (Material and curing conditions at 77°F (24° C) unless noted, 50% R.H.)

- Color – Applies as milky white (dries clear)
- Viscosity @ 77°F (24° C), 50% R.H.
 - o Part A 300 cps
 - o Part B 600 cps
 - o Mixed 500 cps
- Pot Life: 2 to 3 hours
- Tack Free: 3 to 5 hours
- Recoat: 5 to 8 hours
- Light Foot Traffic: 8 to 12 hours
- All Traffic (full cure): 24 to 48 hours
- Consistency : Subtle smooth texture

PHYSICAL PROPERTIES

(@77°F (24° C), 50% R.H. 7 day ambient cure)

Solids by Volume:	75%
Recommended Film Thickness::	2.5 to 3.5 mils per coat (wet)
Abrasion Resistance CS-17 Wheel, 1 kg load @ 500 cycles	17 mg loss
Impact Resistance	Gardner Impact, Direct =150 in. lb. (passed)
Flexibility	No crack or defects on 1/8" mandrel
Adhesion (applied to E100-PT1™)	450 psi @ Elcometer (concrete failure)
Volatile Organic Content	25 g/l (mixed)

**CHEMICAL RESISTANCE
 Splash & Spill Applications**

Water (fresh and Salt)	1%-10% acetic acid
1%-10% Sodium Hydroxide	1%-10% HCL
1%-10% Sulfuric Acid	Gasoline

Available Packaging:

- 1 gal. kit
- 5 gal. kit
- Larger volume packaging available upon request only as the mix ratio is not typical of most two component coatings.

Suggested Storage:

- Store in a temperature and weather controlled area between 65° F and 85° F.
- Do not allow to freeze.
- Shelf Life - 1 year in original unopened containers.