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TD.455 – TECHNICAL DATA: AUS-V™ Aliphatic Urethane Coating

Revised: 1.31.15

Product Name: AUS-V™ Aliphatic Urethane Coating

Product Class: Clear polyurethane protective coating.

Description: AUS-V™ Aliphatic Urethane is a 75% solids, high performance, two component (with optional third satin component) protective coating that provides exceptional characteristics for abrasion resistance, chemical resistance and UV stability. Available in Gloss (two component) and Satin (optional third component), AUS-V™ was engineered to last, perform and meet all VOC compliancy requirements nationwide and internationally. Optional specialty liquid pigment can be added for HEMETIC™ Neat Floors. Available in White, Tan, Light Gray, Medium Gray, Dark Gray and Black.

Typical Uses:

- Protective top coat for E100 Series Epoxy Coatings
- Protective top coat for REFLECTOR™ Enhancer Flooring Systems
- Protective top coat for many of the HERMETIC™ Flooring Systems
- Residential flooring; living areas, basements and garage floors
- Commercial flooring; retail, medical, showrooms, food preparation areas, educational, clean rooms
- Industrial flooring; warehouses, auto service centers, aircraft hangars, manufacturing facilities, loading docks

Key Features:

- High-Gloss or Satin, Non-Blush Film
- Extremely low VOC at 25 g/l
- Safe to use indoors. No odor and non-flammable
- 75% Solids
- Coverage of 300 to 500 sq. ft. per gallon (application varies)
- 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. Part A
 - 300 cps 0 600 cps Part B 0 Mixed 500 cps
- Pot Life: 2 to 3 hours

- 4 to 6 hours Tack Free: Light Foot Traffic: 8 to 12 hours All Traffic (full cure): 12 to 24 hours Consistency: Subtle smooth texture

PHYSICAL PROPERTIES

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

Solids by Volume:

Recommended Film Thickness:

Abrasion Resistance:

CS-17 Wheel, 1 kg load @ 500 cycles

Impact Resistance:

Flexibility:

Adhesion (applied to E100-PT1™):

Volatile Organic Content:

2 to 4 mils (wet)

16 mg loss

Gardner Impact, Direct =150 in. lb. (passed) No crack or defects on 1/8" mandrel 450 psi @ Elcometer (concrete failure)

25 g/l (mixed)

CHEMICAL RESISTANCE Splash & Spill Applications

Water (fresh and Salt) 1%-10% Sodium Hydroxide 1%-10% Sulfuric Acid

1%-10% acetic acid 1%-10% HCL Gasoline

Available Packaging:

- 1.5, 3 and 15 gallon kits.
- 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.

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the content and suitability for the applications they intend to use our products for. **Nothing herein shall constitute any warranty expressed or implied,** including any warranty of merchantability or fitness for a particular purpose, nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for incidental or consequential daranges.

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