



## FLEXSTONE TUFF-A-Spartic 87 Zero VOC, Clear Aliphatic Polyaspartic Coating

### PRODUCT DESCRIPTION:

TUFF-A-Spartic 87 is the next generation in two component, fast drying, aliphatic polyaspartic ester coatings. While other aliphatic urethanes can only be applied between 4 and 6 mils, TUFF-A-Spartic 87 can be applied in a single coat up to 14 mils. TUFF-A-Spartic 87 features good abrasion and chemical resistance, and a cure time of two to four hours. It can be installed in unusually high or low temperatures. TUFF-A-Spartic 87 is the ideal product when low odor, fast turnaround and a non-yellowing system are essential.

### ADVANTAGES:

- ✓ Low odor
- ✓ Abrasion resistant
- ✓ Non-yellowing
- ✓ Chemical resistance
- ✓ Can be Installed over Wood, Concrete and Metal
- ✓ Zero VOC
- ✓ Easy mixing ratio (1:1)
- ✓ Fast drying (2-4 hour cure)
- ✓ Impact Resistant

### APPLICATIONS:

- ✓ Pharmaceutical Floors
- ✓ Food Prep/Kitchens
- ✓ Garage Floors
- ✓ Restrooms
- ✓ Manufacturing Plants
- ✓ Aisle Ways
- ✓ Auto Showrooms
- ✓ Schools
- ✓ Laboratories
- ✓ Kennels
- ✓ Basements
- ✓ Veterinary Facilities
- ✓ Locker Rooms
- ✓ Health Care Facilities
- ✓ Loading Docks
- ✓ Car Wash Facilities

### PACKAGING:

TUFF-A-Spartic 87 is available in two different kit sizes:

#### Part A Part B

- ✓ 2 Gallon Kit 1 gal. 1 gal.
- ✓ 10 Gallon Kit 5 gal. 5 gal.

### PROPERTY

PROPERTY	TYPICAL VALUE
Appearance	Clear Liquid
Total Solids (% by Weight)	85% ± 2
Total Solids (% by Volume)	87.5% ± 2
Surface Tension, Dynes / cm	40
Viscosity (Brookfield LVF) , cps @ 25° C	400 ± 100
Density (lbs. / gallon)	9.4
Specific Gravity (Coating)	1.13
Flash Point (Pensky-Martens closed cup)	<110° F
Freeze / Thaw Stability	N/A
Thermal Stability (28 days @ 120° F)	No Effect
Mechanical Stability	Good
VOC Content (Clear)	0 gm / liter
VOC Content (Colored) (Varies with Colors)	5—20 gm / liter

### FILM PROPERTIES:

#### PHYSICAL PERFORMANCE PROPERTIES (TYPICAL) OF DRY FILM

All tests were conducted on 4 to 8 mil films, which were air-dried for seven days at room temperature.

### PROPERTY

PROPERTY	TYPICAL VALUE
Tensile Strength, psi	6,500
Elongation	26%
Hardness (Pencil / Sword)	2H / 70
Taber Abrasion (mg loss per 1,000 cycles, CS-17 wheel, 1,000 gm load)	50
Impact Resistance (Direct / Reverse)	140 lbs. / 140 lbs.
Crosshatch Adhesion (Untreated Cold Rolled Steel / Untreated Aluminum)	

### QUV WEATHEROMETER:

#### (ALCLAD ALUMINUM 1,000 HRS.) PROPERTY TYPICAL VALUE

PROPERTY	TYPICAL VALUE
Oxidation	No Effect
Loss of Gloss	Slight
Blistering	No Effect
Yellowing	No Effect