



## Polyaspartic Technical Data Sheet

### Description:

A two component system. **85% solids**. High gloss, non-flammable. Non-hazardous. ZERO VOC. We use VOC exempt solvents. This is a fast drying system. Very low to no noticeable odor! Designed specifically to apply as a decorative concrete coating. Can be applied in a wide range of temperatures and exhibits excellent abrasion, UV, and chemical resistant properties.

### Typical Properties:

Appearance	Clear Liquid
Total Solids (% by weight)	≥85
Total Solids (% by volume)	≥83
Ratio	1 to 1
Surface tension, dynes/cm	40
Viscosity (Brookfield LVF)	600
CPS @ 25 C	8.32
Specific Gravity	1.08
Flash point	<70
Freeze/thaw stability	N/A
Thermal stability (28 days 52 C)	No effect
Mechanical stability	Good
V.O.C. (g/l) (exempt)	≤160
(non-exempt)	0
Tg @	66

### Free Film Properties:

Tensile strength (ASTM D 412)	7000
Elongation	10

**Application Method:** Roll, brush or Spray (airless or conventional). Note. Dilute product with solvent (acetone, MEK, or Xylene) as needed for particular type of spayer you are using. 10 mil wet yields 7.5 mil DFT

### Application Properties of Film:

Dry time @ 25 (c)	30
Dry to touch	60-90
Dry through	120-240

### QUV weatherometer (alclad aluminum 1000 hours)

Oxidation	No effect
Loss of gloss	Slight
Blistering	No effect
Yellowing	No effect

### Adhesion results

Tensile Adhesion	900 psi
(ASTM 4541)	
Applied to concrete with primer	
At 900 psi the concrete failed.	

### Physical Performance Properties of Dry Film:

All tests were conducted on 5.0 mil films, air-dried for 7 days at ambient temperature.

Hardness	
a) Pencil	2H
b) Sward	70
Taber abrasion (ASTM D 4060)	36 mg
Impact resistance (ASTM D 2794)	>160

### Chemical Resistance (ASTM D 1308)

Gasoline	No effect
Brake Fluid	No effect
Antifreeze	No effect
Transmission Fluid	No effect
Power Steering Fluid	No effect
MEK	400 rubs
Acetone	400 rubs
IPA	400 rubs
Formula 409	400 rubs

### Slip Resistance

Our resins do not include slip resistance additives at point of manufacture, as we have no control over a customer's application or desire in terms of how high a coefficient of friction (COF) they might need. With the addition of sufficient slip-resistant additives, such as aluminum oxide, our resin will meet or exceed OSHA / ADA recommendations of .6 COF on level surfaces and .8 COF on ramps. It is the contractor/applicator and end users' responsibility to ensure the flooring system meets applicable point of use safety standards. **Slide-Lok** or its sales agents will not be responsible for any injury incurred in a slip and fall accident. **Slide-Lok** recommends the use of angular slip resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions or where extra friction might be needed for safety consideration.