



Polyaspartic Technical Data Sheet

Description:

A two component high performance polyaspartic coating. **85% solids**, high gloss, ZERO VOC. We use VOC exempt solvents. This is a fast drying system. Very low to no noticeable odor! Designed as a one day decorative concrete coating application. 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)	
CPS @ 25 C	200-400
Flash point	>109°F
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 @ 25 (c):

Dry to Touch Fast	60-90 minutes
Dry to Touch Slow	2-3 hours
Vehicle Traffic	24 hours

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