

# POLYESTER/URETHANE — HYBRID — TECHNICAL DATA SHEET

Rev. 12-2019



## Typical Performance Characteristics

Abrasion Resistance
Excellent
ASTM D 4060
Adhesion
Excellent
ASTM D 4541 (1850 psi)
ASTM D3359 A/B (5/5)
Excellent
Salt Spray Resistance
Excellent
ASTM B 117 (Pass 1500 hrs.)
Direct Impact Resistance
Very Good
ASTM D 2794 (140 in-lb)
Reverse Impact
Very Good
ASTM D 2794 (50 in-lb)
Humidity Resistance
Excellent
ASTM D 2247 (Pass 1000 hours)
Film Hardness 3H
ASTM D 3363
QUV A
Excellent
ASTM D 4587 (1500 hours-97%)
Initial Gloss at 60° 93 min
ASTM D 523
Solvent Resistance Surpassed
ASTM D4752 (1000 MHR)
Flexibility
Excellent
ASTM D 522 Mandral

## POLYESTER/URETHANE HYBRID

### DESCRIPTION:

Polyester/urethane high performance high solids that provides the durability of polyester with the UV stability of Urethane. Design for chemical resistance including Skydrol.

### APPLICATIONS

- Transportation
- Marine
- Aircraft
- Chemical maintenance
- Industrial maintenance

### ADVANTAGES

- Skydrol resistant / exceed industry standards
- High crosslinking density
- Color / gloss retention
- Chemical resistance
- Outstanding durability
- Designed for spray applications
- Flexibility

### MIXING RATIO

1:1 with H50. Can be reduced 10-15% with S60/S70/S80/S90 depending on temperature. Can be accelerated us AD66.

### EQUIPMENT

- HVLP
- Pressure Pot
- Airless sprayer

**DRY/FLASH TIMES AT 77°F**

Flash between coats	15 mins
To touch	30 mins
Tack free	2 hours
To handle	4 hours
Recoat	1 hour
Hard dry	8 hours
Full cure	7 days

**FILM THICKNESS**

5-7 mils per coat

**THEORETICAL COVERAGE**

899 sq. ft. at 1 mil DFT (100% transfer efficiency).

**APPLICATION CONDITIONS**

Between 45°F and 110°F.

**PHYSICAL PROPERTIES**

Solids by weight	65%
VOC (mixed)	0

**PRECAUTIONS**

Some materials in this product may cause skin and eye irritation and/or sensitization or other allergic responses upon repeated contact. This product must be handled with extreme care and in strict adherence to good industrial practices. Before using it or any other product referred to in this bulletin, consult the applicable Safety Data Sheets for appropriate handling procedures and protective equipment.

**WARRANTY**

ACP warrants its products to be free of defects in material and workmanship. Within one year from purchase, if any ACP product is proven defective, ACP will replace said product or refund its purchase price, at ACP's sole discretion. ACP's obligation shall be limited solely to such replacement or refund. There are no other warranties by ACP, expressed or implied. There is no warranty if ACP products are used contrary to ACP's written directions.

**CHEMICAL RESISTANCE**

ASTM D 1308

1% Sodium Hydroxide	Excellent
5% Sodium Hydroxide	Excellent
10% Sodium Hydroxide	Excellent
10% Ammonia	Excellent
Diesel Fuel	Excellent
1% Hydrochloric Acid	Excellent
1% Sulfuric Acid	Excellent
10% Sulfuric Acid	Excellent
100% Ethanol	Excellent
1% Phosphoric Acid	Excellent
10% Phosphoric Acid	Excellent
MEK (Methyl Ethyl Ketone)	Excellent
Gasoline	Excellent
Skydrol	Excellent
DOT 3 Brake Fluid	Excellent