

---

---

# S-1427-L

## Water Based Polyurethane Dispersion

---

---

### **Product Description**

- APEO free self-crosslinking urethane dispersion
- Strong, hard, high adhesion film
- Excellent gloss and abrasion resistance
- Fast drying dispersion for formulated coatings top coats

### **Product Properties**

Solids (%): 33-36  
VOC (g/L): 19.2  
Gloss @ 60°: 88  
Charge: Anionic

### **Film Properties**

Tensile (D-882, psi): 4,000  
Elongation (D-882, %): 150  
Pencil Hardness (D-3363): 4H  
Dry Time (D-5895, min.): 20

### **Substrate Cross-Cut Adhesion**

Cold Roll Steel-unpolished: 5B  
Aluminum-untreated: 2B  
Brass-untreated: 5B  
HDPE-untreated: 0B

ABS-untreated: 0B  
Polycarbonate-untreated: 0B  
Nylon-untreated: 0B

### **Chemical Resistance**

(5=no damage, films dried for 15 minutes at 80°C, then equalized at room temp. for 7 days, tested using ASTM D-1308)

Water: 5  
Acetic Acid: 5  
Ammonia: 5  
Methyl Ethyl Ketone: 5  
2-Propanol: 5  
Gasoline: 5



**Synthetic Natural Polymers**

Durham, NC Phone: 919-598-0400

Revised June 22, 2015